

Table 8

6046	Table 3A	Hs.146381	BE613237	9894834	RNA binding motif protein, X chromosome (RBMX), mRNA /cds=(11,1186)	-1	ACTGACCTAGCAGATGTGTGGAAAAG GAATCAGATCTTGATTCTTCTGGG
6047	Table 3A	Hs.4310	BE614297	9895894	eukaryotic translation initiation factor 1A (EIF1A), mRNA /cds=(207,641)	-1	ACAACTCAAGTGAAAAGATGTCTCCA GTTTCTGAAGATAACGCACGCTGA
6048	Table 3A	Hs.198802	BE621611	9892551	601493754T1 cDNA, 3' end /clone=IMAGE:3895836 /clone_end=3'	-1	CGCCGACTCGTTGAAAGTTTGTGTG GTAGTTGGTTTTCGTTGAGTTCTT
6049	Table 3A	Hs.324481	BE646433	9970744	EST380617 cDNA	-1	CACCCACCTGGTAGGAAGGTCAATCT TATGCTCAGAAGTCCCACCCACCA
6050	db mining	Hs.283165	BE646441	9970752	7e86h06.x1 cDNA, 3' end /clone=IMAGE:3292091 /clone_end=3'	-1	CAACTCCTTAAAGGGTTGAAGGTTGT GACAATAACTGAGGGAAGTATGT
6051	Table 3A	Hs.341573	BE646470	9970781	tc38c11.x1 cDNA, 3' end /clone=IMAGE:2066900 /clone_end=3'	-1	AAAACACTCCACCTAAAAGCAGGAAA GATGGCAATTCTAAATAGCAGCTA
6052	db mining	Hs.283166	BE646492	9970803	7e87g01.x1 cDNA, 3' end /clone=IMAGE:3292176 /clone_end=3'	-1	GGAGGTTTTGATCGTGACTTTATTTT GAGATATTGTATCTTTGTTAGTATTGC
6053	Table 3A	Hs.187872	BE646499	9970810	7e87h02.x1 cDNA, 3' end /clone=IMAGE:3292179 /clone_end=3'	-1	TTGTAAGGTTCCGGGAACTGACTCA ACATGGTTCTCCAACTCGAGGTTG
6054	db mining	Hs.283167	BE646510	9970821	7e88b08.x1 cDNA, 3' end /clone=IMAGE:3292215 /clone_end=3'	-1	TGTGAGTGTTATAGGTTACAGTGGAT TCCAACTAGCCACAAGTGAAGCA
6055	db mining	Hs.283168	BE646569	9970880	7e89c01.x1 cDNA, 3' end /clone=IMAGE:3292320 /clone_end=3'	-1	TCAGCCAGGAGGAAAAGCACTCTGAT TATGAATTGAGCAGAAGGAAACAA
6056	db mining	Hs.283169	BE646617	9970928	7e91b07.x1 cDNA, 3' end /clone=IMAGE:3292501 /clone_end=3'	-1	GTTCCCACTCGTTCTTGCCGGAGAAA CCTGCCTTTTCAAGCATAATTCAA
6057	db mining	Hs.225200	BE646640	9970951	7e91f08.x1 cDNA, 3' end /clone=IMAGE:3292551 /clone_end=3'	-1	GGGTCCAAGATTATTGATTAATTTGG GCACCGCGAGAGCTCGAGTCCCCC
6058	Table 3A	Hs.129192	BE670584	10031125	7e36h08.x1 cDNA, 3' end /clone=IMAGE:3284607 /clone_end=3'	-1	GACCACCTGTAAAGCAAGTCCTTTCA AGTTTCACTGCACATCCCAAACCA
6059	Table 3A	Hs.75703	BE670804	10031345	small inducible cytokine A4 (homologous to mouse Mip-1b) (SCYA4), mRNA /cds=(108,386)	-1	TGGTCCACTGTCACTGTTTCTCTGCT GTTGCAAATACATGGATAACACAT
6060	Table 3A	Hs.195374	BE671815	10032445	7a47c12.x1 cDNA, 3' end /clone=IMAGE:3221878 /clone_end=3'	-1	AGACTCTGGAAGGAGGGTCCGGAG TATTAACTGGCTGGGAATGAGAGG
6061	Table 3A	NA	BE672733	10033274	7b75g07.x1 NCI_CGAP_Lu24 cDNA clone IMAGE:3234108 3' similar to TR:O99231 O99231 CYTOCHROME OXIDASE	-1	TGAGAGCACACCATAAATTCACAGCA GGAATAAACGAGACACACGAGCA
6062	Table 3A	Hs.77542	BE673364	10033905	602629438F1 cDNA, 5' end /clone=IMAGE:4754432 /clone_end=5'	-1	ACATTCTCTCATTTTGCTGAAGCTGAT TTGATTGGGTGTCTGTTTCTCGC
6063	Table 3A	Hs.66357	BE673759	10034300	7d69d02.x1 cDNA, 3' end /clone=IMAGE:3278211 /clone_end=3'	-1	TGAGAAGGTAAAGTAGAAAGGGAAG ATGATGAGTGAACAATAAGCCTTGT
6064	db mining	Hs.283248	BE674662	10035284	7e93g03.x1 cDNA, 3' end /clone=IMAGE:3292756 /clone_end=3'	-1	ACATTATTCCATGGGAATAAGTCATC AGTGCAAAGGACTGTAAGGAGTGC
6065	Table 3A	Hs.88845	BE674685	10035307	AV733781 cDNA, 5' end /clone=cdAASF08 /clone_end=5'	-1	CGCCGCTCCTGGAGACCTGATAACTT AGGCTTGAAATAATTGACTTGTCT
6066	Table 3A	Hs.171120	BE674709	10035331	7e94f05.x1 cDNA, 3' end /clone=IMAGE:3292833 /clone_end=3'	-1	TGTATGTGCAATATGCTTATGGGTAA TTATGGGCAAGAGAAATGGAACA
6067	db mining	Hs.283249	BE674713	10035335	7e94g02.x1 cDNA, 3' end /clone=IMAGE:3292850 /clone_end=3'	-1	ACCCCTTGTTAAAGCAGTTGTAAGAA TTAAACAAGGAATTGCTCTTTC
6068	Table 3A	Hs.167208	BE674762	10035230	7e98d05.x1 cDNA, 3' end /clone=IMAGE:3293193 /clone_end=3'	-1	AAATCAGGCCCTTGCGCCATTACAA AAAATCCTTGTGAGATGACTCAAG
6069	db mining	Hs.283247	BE674807	10035275	7e93d11.x1 cDNA, 3' end /clone=IMAGE:3292725 /clone_end=3'	-1	AGGGCAGAGGTCTTTGGGAGGGTA AGCTCACAAAACTCAGGGAGGCAG
6070	Table 3A	Hs.174010	BE674902	10035443	7e97a04.x1 cDNA, 3' end /clone=IMAGE:3293070 /clone_end=3'	-1	TCATCTCCGCCAAGGTTCCCACTAGG CAGGAAAGGATTTTATCTAAAGT
6071	Table 3A	Hs.174144	BE674951	10035492	7e97g10.x1 cDNA, 3' end /clone=IMAGE:3293154 /clone_end=3'	-1	CCACCCAAGTCGGAATCCGAGTGAA ATAAATAGCATCGCCGCCAACTAC
6072	Table 3A	Hs.190065	BE674964	10035505	7f11b09.x1 cDNA, 3' end /clone=IMAGE:3294329 /clone_end=3'	-1	AGGCACACGATTGTCAACATTCTCC CTTTACAAGCTGTATAATCAGTAA
6073	Table 3A	Hs.211828	BE675092	10035633	7f02d07.x1 cDNA, 3' end /clone=IMAGE:3293485 /clone_end=3'	-1	GCAACGTCTGAATGTAGTAATGTGAC TCAGAGCTTCAAAGTAAGCATTGC

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6074	db mining	Hs.330706	BE675125	10035666	IL3-UT0114-301100-357-H02 cDNA	-1	GCCACCCCATCTGGGAGGCCAGCA TCCAATTCAGTCGCCCTTCAATGATT
6075	db mining	Hs.283251	BE675180	10035721	7f03h06.x1 cDNA, 3' end /clone=IMAGE:3293627 /clone_end=3'	-1	TGATAGACTGGATGCTGCTATGGTAA TCTGCCTCAGGAAATGCCGGACT
6076	db mining	Hs.339281	BE675338	10035879	HNC29-1-D4.R cDNA	-1	TGGAGCCAAGAAGCCACTGACTCAA GAGGATTTCAAGCGAGAGCTGCTTG
6077	db mining	Hs.283253	BE675379	10035920	7f08b02.x1 cDNA, 3' end /clone=IMAGE:3294027 /clone_end=3'	-1	CAACTTTTGTAAACAGGGGACTTAGCC GGGGGCAGGAGGGGTTCTTGAGAC
6078	db mining	Hs.283254	BE675403	10035944	7f08d10.x1 cDNA, 3' end /clone=IMAGE:3294067 /clone_end=3'	-1	ACTTGAAGGCACATCTTCTTTTGGT TGTTTTCCATCTTCAAATTAAC
6079	db mining	Hs.283255	BE675434	10035975	7f09a10.x1 cDNA, 3' end /clone=IMAGE:3294138 /clone_end=3'	-1	TAAAACTGACATGACATGAGATGGT TTAAGTGTCAAACATAAGGGTCTTT
6080	db mining	Hs.283256	BE675531	10036072	7f10h08.x1 cDNA, 3' end /clone=IMAGE:3294303 /clone_end=3'	-1	ACTGACATAAGCCCACTTCAGGTGTT TGGAAGACACTAAAGAGAATCAGA
6081	db mining	Hs.315345	BE675610	10036151	7f12g09.x1 cDNA, 3' end /clone=IMAGE:3294496 /clone_end=3'	-1	GCAGCTTTTGTCTGGCGGGGGTCTA AATAAAGTAGCTTCCCCAAAAGAAA
6082	db mining	Hs.180637	BE675718	10036259	7f14h04.x1 cDNA, 3' end /clone=IMAGE:3294679 /clone_end=3'	-1	ACCTGTTATCTCGCAATGACCTAGC TAACACAAATGCAACATCAGCCGG
6083	db mining	Hs.283258	BE675792	10036333	7f16b02.x1 cDNA, 3' end /clone=IMAGE:3294795 /clone_end=3'	-1	TGATCAAAATGAAGATGCTCCAACCG TATAAATGGCAGATGAAATAGACT
6084	db mining	Hs.283259	BE675819	10036360	7f17d10.x1 cDNA, 3' end /clone=IMAGE:3294931 /clone_end=3'	-1	GCAGGAGAGAAATACCTTCTAATGGG TGTGGACACTGGAGGAACTGTTAC
6085	db mining	Hs.283261	BE675957	10036498	7f19b06.x1 cDNA, 3' end /clone=IMAGE:3295091 /clone_end=3'	-1	AGGGCACTGTTTGTTCCTTAATATG GAGAAATATCGCAAATAACTGGGA
6086	db mining	NA	BE676019	10036560	7f20c12.x1 NCI_CGAP_CLL1 cDNA clone IMAGE:3295222 3' similar to contains Alu repetitive element; m	-1	TTGGCCTATGTTAATTTCTATTCTCAG TTCTTCTGTGCCCTTCTCCTCT
6087	Table 3A	Hs.170584	BE676049	10036590	7f21a03.x1 cDNA, 3' end /clone=IMAGE:3295276 /clone_end=3'	-1	GAACGTAAGCCCGACGCTAGGCAGT GCTGTTAGAAAGTGATTTGGAAGAG
6088	Table 3A	Hs.181015	BE676054	10036595	signal transducer and activator of transcription 6, interleukin-4 induced (STAT6), mRNA /cds=(165,2708)	-1	ATCCCATTCTCCCTCTCAAGGCAGGG GTCATAGATCCTAAGCCATAAAAT
6089	db mining	Hs.283263	BE676154	10036695	7f24a12.x1 cDNA, 3' end /clone=IMAGE:3295582 /clone_end=3'	-1	TGCTGTAAAAATGGCAGCTCCATAGGA ACCTATTTTCCATAGGAACCTGCA
6090	db mining	Hs.283264	BE676173	10036714	7f24c12.x1 cDNA, 3' end /clone=IMAGE:3295606 /clone_end=3'	-1	ACTGGAGAAAGGTGTCTTCTGTCTCT TTCAGGGGCTCCTGCGGGGAATTC
6091	Table 3A	Hs.134648	BE676210	10036751	7f25c05.x1 cDNA, 3' end /clone=IMAGE:3295688 /clone_end=3'	-1	ATTATATTGTCCCTATCAGAATCCTC GAATCCCTAGCAGCCAGTCCCTG
6092	db mining	Hs.283266	BE676275	10036816	7f26d04.x1 cDNA, 3' end /clone=IMAGE:3295783 /clone_end=3'	-1	TGCTCACTGTCTTCTGGAAGAGACAA GCACCTTCTTGAAATTCCTAAGCA
6093	Table 3A	Hs.158714	BE676408	10036949	7f29b11.x1 cDNA, 3' end /clone=IMAGE:3296061 /clone_end=3'	-1	CAATCGGATCATTCTTCTCAACTTGG GCGGCTCTTCTCCTTCTCTTCC
6094	Table 3A	Hs.220929	BE676472	10037003	cDNA FLJ14369 fis, clone HEMBA1001174, highly similar to ADP- RIBOSYLATION FACTOR-LIKE PROTEIN 5 /cds=(207,746)	-1	TGCTTTGGGCAGTAGCTGAAGCCGA AGTATGAACAGTCCATTTTGTCT
6095	db mining	Hs.283268	BE676474	10037005	7f30c08.x1 cDNA, 3' end /clone=IMAGE:3296174 /clone_end=3'	-1	CACAGTTGAGTAGGAGGTCATGAAGA AGAAGAGATGATACCTGCCCTACC
6096	db mining	Hs.283269	BE676528	10037069	7f31d12.x1 cDNA, 3' end /clone=IMAGE:3296279 /clone_end=3'	-1	TTTGTGTAGCAAATGTTCAATTTGC CTACTTTGTGCCAAATTCAGGCC
6097	Table 3A	Hs.123254	BE676541	10037082	AL572805 cDNA /clone=CS0DI034YH06-(3-prime)	-1	TCCAGCATTGTATTGTCTATTGACAC ACAAAGTTTGAAAATAAGGGGCA
6098	db mining	Hs.283505	BE676548	10037089	wh79f01.x1 cDNA, 3' end /clone=IMAGE:2386969 /clone_end=3'	-1	CACCCACCAGACCGAGGATTCCAAAA GGGGGCGAAGGCGGAGAGCAAAGG
6099	db mining	Hs.283270	BE676613	10037154	7f33a08.x1 cDNA, 3' end /clone=IMAGE:3296438 /clone_end=3'	-1	TGGACTCTGTTTCAAGAGGAAGAAA CAACTGACAAATAAGTTGATGTCA
6100	db mining	Hs.283271	BE676614	10037155	7f33a10.x1 cDNA, 3' end /clone=IMAGE:3296442 /clone_end=3'	-1	ATGTTGAACTGGTTTTAACTTGTAAAT GGTGTGGCTGATGTTACCCGACC
6101	db mining	Hs.283272	BE676667	10037208	7f34a07.x1 cDNA, 3' end /clone=IMAGE:3296532 /clone_end=3'	-1	ACACAGATTTGAAGTCTACTGTTCTA AATGGCCTCTACTTCTGCTGTCA

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6102	db mining	Hs.102165	BE676737	10037278	7f37g03.x1 cDNA, 3' end /clone=IMAGE:3296884 /clone_end=3'	-1	GGAACCTCTGCTTCCACTTACGATGA AGGAACTGTACTCAATCCATCCA
6103	db mining	Hs.283276	BE676772	10037313	7f35d05.x1 cDNA, 3' end /clone=IMAGE:3296649 /clone_end=3'	-1	GAAGCCTTCTGTGGTCATAACAAGT CTCACACACCCCAAGGACTGATCT
6104	db mining	Hs.86761	BE738569	10152561	601572850F1 cDNA, 5' end /clone=IMAGE:3839581 /clone_end=5'	-1	GAGTCCAGCCTTTGAACCTGGCGCT GAATCCTGACTTTACTGCTTATTCA
6105	Table 3A	Hs.293842	BE748663	10162655	601571679F1 cDNA, 5' end /clone=IMAGE:3838675 /clone_end=5'	-1	AAACTCATACATGCAGAAAAATTGCTT TGCTCGAAATGGTAATGCCAAAA
6106	Table 3A	Hs.293842	BE748663	10162655	601571679F1 cDNA, 5' end /clone=IMAGE:3838675 /clone_end=5'	-1	AAACTCATACATGCAGAAAAATTGCTT TGCTCGAAATGGTAATGCCAAAA
6107	Table 3A	Hs.270293	BE857296	10371182	7g27b01.x1 cDNA, 3' end /clone=IMAGE:3307657 /clone_end=3'	-1	ACAAAAGTCATGGCTGTGAGGCTATC ATTACCCCTTTACCAAAGTTGGAA
6108	Table 3A	Hs.155935	BE858152	10373065	complement component 3a receptor 1 (C3AR1), mRNA /cds=(0,1448)	-1	AGTTCTATTTCTATCCCAAATAAGCT ATGTGAAATAAGAGAAGCTACTTTGT
6109	Table 3A	Hs.294348	BE961923	11764299	601655335R1 cDNA, 3' end /clone=IMAGE:3845768 /clone_end=3'	-1	ATCCCGATGGTGCCACCGCTATTAA AGGTTTCGTTTGTTCCACGATTAA
6110	Table 3A	Hs.5181	BE962588	11765636	proliferation-associated 2G4, 38kD (PA2G4), mRNA /cds=(97,1281)	-1	ATGTCTCCATCCCATTAACAATCTCC AGCATTCCCTCTCAACCTTAAAAA
6111	Table 3A	Hs.314941	BE962883	11766238	602381893F1 cDNA, 5' end /clone=IMAGE:4499447 /clone_end=5'	-1	GCCCGTATTTACCTATAGCACCCCC TCTACCCCTTTAGAGCCCAAAAA
6112	Table 3A	Hs.301110	BE963194	11766612	601656811R1 cDNA, 3' end /clone=IMAGE:3865731 /clone_end=3'	-1	ACATTTTCTCCGCATAGCCTGCGT CAGATTAACACTGAAGTACAA
6113	Table 3A	Hs.330887	BE963374	11766792	601657137R1 cDNA, 3' end /clone=IMAGE:3866193 /clone_end=3'	-1	CCAAGCTGGTTTCAAGCCAAACCCAT GGCCTCCATGACTTTTCCAAAAAC
6114	Table 3A	Hs.334926	BE963551	11766970	Homo sapiens, clone MGC:8857 IMAGE:3866266, mRNA, complete cds /cds=(62,133)	-1	TGATCAGGTGAACCGGAAGTCTCCAA TTTCTGAATGGATTATGTTTCTAA
6115	Table 3A	Hs.316047	BE963666	11767085	601656685R1 cDNA, 3' end /clone=IMAGE:3865820 /clone_end=3'	-1	TGAGTACGTGACACTTGTGTAGAA AGTGGTGTGAGCTATATTCTTGT
6116	Table 3A	Hs.294578	BE963811	11767228	601657462R1 cDNA, 3' end /clone=IMAGE:3875846 /clone_end=3'	-1	GTGACCCCTGGCACCCGCTAGAAGTT TATGGCCGAGCTTTACCAATTAA
6117	Table 3A	Hs.302585	BE964028	11767356	601657601R1 cDNA, 3' end /clone=IMAGE:3875617 /clone_end=3'	-1	TGAACTCCAACCTTGACCAACCCATG AGACCCCTGTTATCCAACTTTCT
6118	db mining	Hs.210628	BE964051	11767519	601472729T1 cDNA, 3' end /clone=IMAGE:3875791 /clone_end=3'	-1	CCCTCTACTATTTGGCTCCATACTTA GGACCTGCCCTTCCCGGTTCCAG
6119	Table 3A	Hs.330588	BE964134	11767602	601151626F1 cDNA, 5' end /clone=IMAGE:3507774 /clone_end=5'	-1	CCCGTATTTACCTATAGCACCCCT CTACCCCTTTAGAGCCCCAAAAA
6120	Table 3A	Hs.252259	BE964149	11767617	ribosomal protein S3 (RPS3), mRNA /cds=(22,753)	-1	CCAACCTTTCAGAACAGAAGGGTGGG AAACCAGAACCGCTGCCATGCCCC
6121	Table 3A	Hs.184052	BE964596	11768078	PP1201 protein (PP1201), mRNA /cds=(75,1010)	-1	GCGCCAGAAATCCAATCCAGCCCAA GGATATAGTTAGGATTAATTACTTA
6122	Table 3A	Hs.286754	BE965319	11769559	601659229R1 cDNA, 3' end /clone=IMAGE:3895783 /clone_end=3'	-1	CTGAGATTTTGGGTTTTCCACACGGG CCAAGATACCCGGCTCTGCTGAG
6123	Table 3A	Hs.297190	BE965554	11770044	601659486R1 cDNA, 3' end /clone=IMAGE:3896204 /clone_end=3'	-1	ATATCATTTCCACTTAGTATTATACCC ACACCCACCAAGAACAGGGTTT
6124	Table 3A	Hs.108327	BF001438	10701713	damage-specific DNA binding protein 1 (127kD) (DDB1), mRNA /cds=(109,3531)	-1	ACAGCATGAGAACTGTTAGTACGCA TACCTCAGTTCAAACCTTTAGGGA
6125	Table 3A	Hs.161075	BF001821	10702096	7g93g02.x1 cDNA, 3' end /clone=IMAGE:3314066 /clone_end=3'	-1	GCTTGCCCTAGCAGAGTCATACGGAA TAATGGAAAACCTCACTTCTGTTC
6126	Table 3A	NA	BF056055	10809951	7k07h12.x1 NCI_CGAP_GC6 cDNA clone IMAGE:3443950 3' similar to contains element L1 repetitive eleme	-1	CACAAATGCTGCCTCTCTGTGGATGA CTGATGGCAGAGTCTGAATTGAA
6127	Table 3A	Hs.221695	BF058398	10812294	7k30d01.x1 cDNA, 3' end /clone=IMAGE:3476785 /clone_end=3'	-1	CCTCTCACTCTCAGACTCCAAGGGCC AAGAAAACTACGGACAGGAAGCC
6128	db mining	Hs.255664	BF058429	10812325	7k30g11.x1 cDNA, 3' end /clone=IMAGE:3476949 /clone_end=3'	-1	GAGAGGAGGGGTCTCAGACGTTGGG GGACACACTGCTGGGTGGGTGATTT
6129	Table 3A	Hs.43857	BF058599	10812495	mRNA for KIAA1247 protein, partial cds /cds=(285,2942)	-1	TAAGAAATCCCAATTTTCAGGAGTGG TGGTGTCAATAAACGCTCTGTGGC
6130	Table 3A	Hs.144583	BF059133	10813029	Homo sapiens, clone IMAGE:3462401, mRNA, partial cds /cds=(0,153)	-1	CGGCAGGGTGGCCTGTAACAATTTCA GTTTTGCGAGAACATTCAGGTATT

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6131	db mining	Hs.257697	BF060727	10819637	AL533532 cDNA /clone=CS0DN004YJ14-(5-prime)	-1	GGGGCTCCCTCCCGGCTTTGTTTTCTCTGGGAGATTTTATTTTACCTAA
6132	Table 3A	Hs.193237	BF062295	10821193	7k76b11.x1 cDNA, 3' end /clone=IMAGE:3481293 /clone_end=3'	-1	GAAAGTGGAGGGAGTGGACGGGGAGGAGACTAGCCAGAGAGGCTCATTAG
6133	Table 3A	Hs.174215	BF062628	10821538	7h62h05.x1 cDNA, 3' end /clone=IMAGE:3320601 /clone_end=3'	-1	CTTCTCCCTCTTGCCCTCTGTGGTCTGATTTAAACGAAAAGTCCGGAT
6134	db mining	Hs.159013	BF063675	10822585	hh82b10.x1 cDNA, 3' end /clone=IMAGE:2969275 /clone_end=3'	-1	GGACTTCTGAAATAGAGCTGGCTCCC TGGGGTGACAATGTATATATGCAA
6135	Table 3A	Hs.125887	BF109873	10939563	hypothetical protein FLJ14464 (FLJ14464), mRNA /cds=(69,3146)	-1	CTGGGTGTCGTGGAAGATGACGAAG ATGCTGGGCTGGCAGATGCAGTCCA
6136	Table 3A	Hs.288443	BF110312	10940002	7n36d08.x1 cDNA, 3' end /clone=IMAGE:3566654 /clone_end=3'	-1	ACCAGGGCTTAAACCTCAATTTATG TTCATGACAGTGGGATTTTCTT
6137	Table 3A	Hs.250905	BF116224	10985700	hypothetical protein (LOC51234), mRNA /cds=(0,551)	-1	ATTCTCCAACCACAAACAGCATTCT AAAACCTAACTTTACTTTCTGCCCA
6138	Table 3A	Hs.318215	BF183507	11061818	601809991R1 cDNA, 3' end /clone=IMAGE:4040470 /clone_end=3'	-1	GATATAGTCTCCATACCCCAATTACCA TCTCCAGCCATTCCCCCTCCAAC
6139	Table 3A	Hs.96566	BF194880	11081165	602137338F1 cDNA, 5' end /clone=IMAGE:4274048 /clone_end=5'	-1	TGATACTTTGGTTCTCTTTCCTGCTCA GGTCCCTTCATTGTACTTTGGA
6140	Table 3A	Hs.232257	BF195579	11082611	RST2302 cDNA	-1	TAATACTGGAGGGGCTTGAAGAAGG CTGTCGTGTTTTGTACCTGCTTTG
6141	Table 3A	Hs.3353	BF197153	11085769	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P) (B3GAT1), mRNA /cds=(175,1179)	-1	GTCCTTCCCGTCTTCTCTCTCACCTA TGTAATTCAGTAGTCTCTCAGC
6142	Table 3A	NA	BF197762	11087169	7p91f02.x1 NCI_CGAP_Skn1 cDNA clone IMAGE:3653139 3', mRNA sequence	-1	AGGAAGAGCCTGCACCTGTGGTGGA ACAATCAGGGAAAAGGAAGTCAAAA
6143	Table 3A	Hs.50785	BF221780	11128957	SEC22, vesicle trafficking protein (S. cerevisiae)-like 1 (SEC22L1), mRNA /cds=(119,766)	-1	TTTGGAGCTTCTATAGGAGTGGAGAG GGGCAGCTCATTGTTGAGAGTTGC
6144	Table 3A	Hs.250811	BF432643	11444806	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein) (RALB), mRNA /cds=(170,790)	-1	TGATCTGACTGGAAAACATCCTGTA TCCCTCCCAAAGATCATGGGCT
6145	Table 3A	Hs.296356	BF433058	11445221	mRNA; cDNA DKFZp434M162 (from clone DKFZp434M162) /cds=UNKNOWN	-1	TCATCCCTTAAACACTCTGTGATGGG ATCTTCAGGATCATCTTTGAAGT
6146	Table 3A	Hs.76611	BF433353	11445516	601435773F1 cDNA, 5' end /clone=IMAGE:3920562 /clone_end=5'	-1	TGCGTTTGGTTTAGAATGTGCTTTT GTACTTCCACTTGAATAAAGGTGT
6147	Table 3A	Hs.178703	BF433657	11445846	AV716627 cDNA, 5' end /clone=DCBBCH05 /clone_end=5'	-1	TGCTCAGGGCACATGCACACAGACAT TTATCTCTGCACTCACATTTTGTG
6148	Table 3A	Hs.222833	BF435098	11447386	7p05g01.x1 cDNA, 3' end /clone=IMAGE:3645097 /clone_end=3'	-1	GGTTATTGCTGACACGCTGCTCTG GCGACCTGCTCTGGAGAGGTTGG
6149	Table 3A	Hs.293476	BF435621	11447923	hypothetical protein FKSG44 (FKSG44), mRNA /cds=(126,1520)	-1	CGTTTTCTGAGCATCCGTTGTGCCCTT AACATTTTCTGCTTGTCTTTGGG
6150	db mining	Hs.257641	BF436704	11448943	7p07d12.x1 cDNA, 3' end /clone=IMAGE:3644999 /clone_end=3'	-1	CTTCTGAATGCCCGAGTCTTCTCTTT TGTGCTCACAAATGCCACCAATC
6151	Table 3A	Hs.160980	BF437585	11449991	7p74d12.x1 cDNA, 3' end /clone=IMAGE:3651526 /clone_end=3'	-1	TGCTTACAAGGGTGATTGACCTTGCC TTACTCTTTATGTAAATTATGGCA
6152	db mining	Hs.258513	BF437915	11450432	AF150421 cDNA /clone=CBNBCG12	-1	CTGGCGTATTACCATTTTGATAGCCT CTCTTCAGGCTAGATAAGCTGGGG
6153	Table 3A	Hs.126594	BF445163	11510224	nad21d12.x1 cDNA, 3' end /clone=IMAGE:3366191 /clone_end=3'	-1	CCCTGTATTATTGAATGTCAGCATA ATGACTGGAAGGTGAAATTGGTCC
6154	Table 3A	Hs.174104	BF445405	11510543	601438710F1 cDNA, 5' end /clone=IMAGE:3923643 /clone_end=5'	-1	ACTGCTGTTGCATGAATAGATGATAC AAAGCAAGTGATGAGGTTGGTATG
6155	Table 3A	Hs.143389	BF446017	11511155	7p18a11.x1 cDNA, 3' end /clone=IMAGE:3646004 /clone_end=3'	-1	TGGAAGAACAAATTCAGACATCATCA GTAAGTCTTTAGGGACACAGGGAA
6156	Table 3A	Hs.295726	BF447885	11513023	integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51) (ITGAV), mRNA /cds=(41,3187)	-1	AGTGAAGAACTGGTACAGTGTCTGCT TGATTTACAACATGTAACCTGTGA
6157	Table 3A	Hs.179526	BF475501	11546328	upregulated by 1,25-dihydroxyvitamin D- 3 (VDUP1), mRNA /cds=(221,1396)	-1	GCCAGAAAGTGTGGGCTGAAGATGG TTGGTTTCATGTTTTGTATTATGT
6158	Table 3A	Hs.181311	BF478238	11549065	asparaginyl-tRNA synthetase (NARS), mRNA /cds=(73,1719)	-1	TGTCCTCTGAACCTGAGTGAGAAAT ATACTCTGCTCTTTGTACCTGCGT
6159	Table 3A	Hs.179703	BF507849	11591147	tripartite motif protein 14 (TRIM14), mRNA /cds=(10,1230)	-1	CCATTTCCACTACATGCCTTTCCTAC CTTCCCTTCACAACCAATCAAGTG
6160	Table 3A	Hs.159673	BF508053	11591351	UI-H-BI4-apx-b-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:3088845 /clone_end=3'	-1	ACATTCCTCTGAATGTTGAAGAAGAT ATGCTATCCATGCAATCCTTGTGCG

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6161	Table 3A	Hs.158999	BF508694	11591992	UI-H-BI4-aop-f-09-0-UI.s1 cDNA, 3' end /clone=IMAGE:3085601 /clone_end=3'	-1	ACTTGTGTTTGAACCACTTCTGCTTC CTCTTTAACCTGAGATGCACACGT
6162	Table 3A	Hs.77542	BF508702	11592000	602629438F1 cDNA, 5' end /clone=IMAGE:4754432 /clone_end=5'	-1	ACATTCTCTCATTTTGTGAAGCTGAT TTGATTGGGTGTCTGTTTCTCGC
6163	Table 3A	Hs.127311	BF508731	11592029	AU185774 cDNA /clone=B02302-013	-1	TGACAGAATGAACCTGAAATGAAATC CCACAGTTATGATCGTAGTAGAGT
6164	Table 3A	Hs.144265	BF509758	11593056	UI-H-BI4-apg-d-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:3087390 /clone_end=3'	-1	AAGTACAGATGCCATCCCGGTGCTGT GATCTTCCAGCCATTCTCCATTTT
6165	Table 3A	Hs.256931	BF510393	11593691	zb02d05.s1 cDNA, 3' end /clone=IMAGE:300873 /clone_end=3'	-1	ACTGCCAATCTGATTTAAAAATTCTCCA AGCTTAATTCTGTGCAACAAACA
6166	Table 3A	Hs.276341	BF510670	11593968	UI-H-BI4-aof-b-08-0-UI.s1 cDNA, 3' end /clone=IMAGE:3084615 /clone_end=3'	-1	GCCTGTTGTCTGTTTATCGCCCTAT TTTACAAAATGATTCTGACCTGG
6167	Table 3A	Hs.248689	BF512500	11597602	UI-H-BI3-alw-h-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069162 /clone_end=3'	-1	AACTGGCATTGCTAAGCCCCAGAAAA ATGTATTTAGTGGACAGATGAAA
6168	Table 3A	Hs.136375	BF513274	11598453	602544150F1 cDNA, 5' end /clone=IMAGE:4666332 /clone_end=5'	-1	ACACTAGGTCCTTTTATACCTGTGCC TTTACGTTCTGTTTCTGATTGCA
6169	Table 3A	Hs.300870	BF513602	11598781	mRNA; cDNA DKFZp547M072 (from clone DKFZp547M072) /cds=UNKNOWN	-1	AATACAGATTCATTTTATTTAAGCGTC CGTGGCACCGACAGGGACCCAG
6170	Table 3A	Hs.255340	BF514247	11599426	UI-H-BW1-ani-h-09-0-UI.s1 cDNA, 3' end /clone=IMAGE:3082601 /clone_end=3'	-1	AGTTCATCCCTTTTCTGAGAGCTGTTT GCTCTTGGCTCATTAACCTGTGA
6171	Table 3A	Hs.283022	BF514341	11599520	triggering receptor expressed on myeloid cells 1 (TREM1), mRNA /cds=(47,751)	-1	GCCTCTTTTCTGTATCACACAAGGG TCAGGGATGGTGGAGTAAAAGCTC
6172	Table 3A	Hs.83734	BF515538	11600717	syntaxin 4A (placental) (STX4A), mRNA /cds=(66,959)	-1	TGTTAGGTGGCCTCTGCATACCTATG GGAACCTCAGTGATGTAATGCAAG
6173	Table 3A	Hs.146065	BF591040	11683364	AL580165 cDNA /clone=CS0DJ005YB18-(3-prime)	-1	CTGGGGCCGTAGCAAAAATCATGAAA AACACTTCAACGTGTCTTTTCAAT
6174	Table 3A	Hs.30941	BF592138	11684462	calcium channel, voltage-dependent, beta 2 subunit (CACNB2), mRNA /cds=(501,2318)	-1	TGCCAAGTCAGCAGATTGCTTTATG AATTACAGGGACTAGAAATGCCCA
6175	Table 3A	Hs.695	BF690338	11975746	cystatin B (stefin B) (CSTB), mRNA /cds=(96,392)	-1	TTGCATGTCTCTTCTAAATTTTCATTG TGTTGATTCTAATCCTTCCCGT
6176	Table 3A	Hs.142838	BF732404	12057407	nucleolar protein interacting with the FHA domain of pKi-67 (NIFK), mRNA /cds=(54,935)	-1	AGAGTGAGAAAGCGAGTTCCAGTTTTA GCACAGATTTGTTTATGTGTTTCA
6177	Table 3A	Hs.296317	BF938959	12356279	mRNA for KIAA1789 protein, partial cds /cds=(3466,4899)	-1	GAAGTGACACTGACTGTATCTACCTC TCCTTTTCTTCATCAGGTGTTTCT
6178	Table 3A	Hs.182937	BF939014	12356334	peptidylprolyl isomerase A (cyclophilin A) (PPIA), mRNA /cds=(44,541)	-1	TCCCTGGGTGATACCATTCAATGTCT TAATGTACTGTGGCTCAGACCTG
6179	Table 3A	Hs.26136	BF940103	12357423	hypothetical protein MGC14156 (MGC14156), mRNA /cds=(82,426)	-1	AATTCCAAAGGAGTGATGTTGGAATA GTCCCTCTAAGGGAGAGAAATGCA
6180	Table 3A	Hs.133372	BF940291	12357611	AF150127 cDNA /clone=CBCBGA01	-1	AGCCCTCCACCCACCCAGTACTTT TACATGTGTATTAAAGACCCCT
6181	Table 3A	Hs.304900	BF980139	12347354	602288147F1 cDNA, 5' end /clone=IMAGE:4373963 /clone_end=5'	-1	CCATCCTTGAGAAATGTGGGCACCAA GTCCATAATCTCCATAAATCCAAT
6182	Table 3A	Hs.303214	BG054649	12511436	7o45b01.x1 cDNA, 3' end /clone=IMAGE:3576912 /clone_end=3'	-1	CGTTGCATTTTCACATTTGTGTGGCA GGACAAGCATGGGGCAAGAGGGAC
6183	Table 3A	Hs.8258	BG054966	12512220	cDNA FLJ14737 fis, clone NT2RP3002273, weakly similar to SCD6 PROTEIN /cds=(77,1468)	-1	TATGAGTTTATGCGTTTTCAGGCC TCCGAATCACTGACTGGGGCGTTT
6184	Table 3A	Hs.179661	BG056668	12521375	Homo sapiens, tubulin, beta 5, clone MGC:4029 IMAGE:3617988, mRNA, complete cds /cds=(1705,3039)	-1	TTGAAAAGATGACATCGCCCCAAGAG CCAAAAATAAATGGGAATTGAAAA
6185	Table 3A	Hs.56205	BG057282	12522612	insulin induced gene 1 (INSIG1), mRNA /cds=(414,1247)	-1	TGCACTCTACCAGATTTGAACATCTA GTGAGGTTACATTCATCTAAGT
6186	Table 3A	Hs.3709	BG057892	12523835	low molecular mass ubiquinone-binding protein (9.5kD) (QP-C), mRNA /cds=(77,358)	-1	TGGTGATATCTGCTTAGATTTCCCTG TATCTTTGCTGCCCTCCTTCAAGT
6187	Table 3A	Hs.5122	BG058599	12525258	602293015F1 cDNA, 5' end /clone=IMAGE:4387778 /clone_end=5'	-1	AGTTGGAGCTATCTGTGCAGCAGTTT CTCTACAGTTGTGCATAAATGTTT
6188	Table 3A	Hs.89104	BG058739	12525527	602590917F1 cDNA, 5' end /clone=IMAGE:4717348 /clone_end=5'	-1	CGTGGGAGGATGACAAAGAAGCATG AGTCAACCCTGCTGGATAAATCTAGA
6189	Table 3A	Hs.166982	BG149747	12661777	phosphatidylinositol glycan, class F (PIGF), mRNA /cds=(67,726)	-1	GTGGTTTGGTCAGCATACACTTCT CATTTTCATTTGATGTACACAGCCA
6190	Table 3A	Hs.100293	BG149986	12662016	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase) (OGT), mRNA /cds=(2039,4801)	-1	ACCTGGGATTTTCATTTCTGCTGAAAG AAATAGGAAGAAGAGGACTCACTT

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6191	Table 3A	Hs.198427	BG150273	12662303	hexokinase 2 (HK2), mRNA /cds=(1490,4243)	-1	GGGTGTGATGAATAGCGAATCATCTC AAATCCTTGAGCACTCAGTCTAGT
6192	Table 3A	Hs.313610	BG150461	12662491	7k01d08.x1 cDNA, 3' end /clone=IMAGE:3443006 /clone_end=3'	-1	AGCTTTTACCACCTCGCAGTTGTAGA GATAGTCCCCGAAATATTATTCCA
6193	Table 3A	Hs.184456	BG230563	12725596	hypothetical protein (LOC51249), mRNA /cds=(0,611)	-1	GTGTGAAGTGACAGCCTTGTGTGTGA TGTTTTCTGCCTTCCCCAAGTTTG
6194	Table 3A	Hs.89104	BG231557	12726664	602590917F1 cDNA, 5' end /clone=IMAGE:4717348 /clone_end=5'	-1	TTGTTTTAACAACTCTTCTCAACATTT TGCCAGGTTATTACTGTAACCA
6195	Table 3A	Hs.152925	BG231805	12726934	mRNA for KIAA1268 protein, partial cds /cds=(0,3071)	-1	TAAGTGGATTGGCAGACTCCTTGTGTG CTTAAGAGTGGCTTCTAGGCAGG
6196	Table 3A	Hs.89104	BG231961	12727100	602590917F1 cDNA, 5' end /clone=IMAGE:4717348 /clone_end=5'	-1	TTGTTTTAACAACTCTTCTCAACATTT TGCCAGGTTATTACTGTAACCA
6197	Table 3A	Hs.337986	BG235942	12749789	Homo sapiens, clone MGC:17431 IMAGE:2984883, mRNA, complete cds /cds=(1336,1494)	-1	GCCAGTCTCTATGTGTCTTAATCCCT TGCTTTCATTAAAGCAAACTA
6198	Table 3A	Hs.3353	BG236015	12749862	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P) (B3GAT1), mRNA /cds=(175,1179)	-1	GTCTTTCCCGTCTTCTTCTCTCACCTA TGTAATTCAGTAGTCTCTCAGC
6199	Table 3A	Hs.75703	BG236084	12749931	small inducible cytokine A4 (homologous to mouse Mip-1b) (SCYA4), mRNA /cds=(108,386)	-1	GGTCCACTCTCACTCTTCTCTGTCTG TTGCAAAATACATGGATAACACCGT
6200	db mining	Hs.5146	D19756	500072	HUMGS00712 cDNA, 3' end /clone=mm0970 /clone_end=3'	-1	CATTCACTATTTATTGGGAAGACTTG TCAAGCACCATGATAAGTGGTGGGA
6201	db mining	Hs.237971	D19770	500086	hypothetical protein MGC5627 (MGC5627), mRNA /cds=(72,584)	-1	AGAGGGGGAAGGACTTACATGACAT CCTACTGGGAATTTGCTAGAAACCA
6202	db mining	Hs.30709	D20225	501322	HUMGS01199 cDNA, 3' end /clone=pm0880 /clone_end=3'	-1	CTGGTGAAGCTGACTCCCGAGGTAAA GAGATATCAGCTCTGCTTCAGACT
6203	db mining	Hs.30731	D20378	501474	HUMGS01352 cDNA, 3' end /clone=pm2943 /clone_end=3'	-1	TTGCTTCTTCTGCTTTATAGAGTTCC CGTAAATACCTTCACCCCTGGC
6204	db mining	NA	D20425	501521	HUMGS01399 Human promyelocyte cDNA clone pm1281 3', mRNA sequence	-1	TCTGACCTCCGTGACGTTTATTACCA GCTGATGTCCGTACACTGATTCA
6205	db mining	Hs.229071	D20458	501554	HUMGS01432 cDNA, 3' end /clone=pm1542 /clone_end=3'	-1	GGGAAGGGTCAGCAACGATTTCTCA CCAAATCACTACACAGACAAAGG
6206	db mining	Hs.330221	D20465	501561	HUMGS01439 cDNA, 3' end /clone=pm2194 /clone_end=3'	-1	ACCACTAAATGGTTACACTACACCAA GACACTAAAATGGCAGGGAGCCCT
6207	db mining	Hs.92440	D20522	501618	HUMGS01497 cDNA, 3' end /clone=pm1507 /clone_end=3'	-1	AAATTCAAATCACCTTGATACCCAC TTCTTTCTCCACCCAAATCTGAT
6208	db mining	Hs.90165	D20538	501634	HUMGS01513 cDNA, 3' end /clone=pm1504 /clone_end=3'	-1	ACCATATCGTGCAAAATGTAATATGG AATTTCAAACATCAATGAAGGAT
6209	db mining	Hs.90171	D20572	501668	HUMGS01547 cDNA, 3' end /clone=pm1503 /clone_end=3'	-1	AATAAGTACCGTATATAACACTTCTC TTTCTCTCTCCACAATGGCAGC
6210	db mining	Hs.30766	D20726	504546	HUMGS01703 cDNA, 3' end /clone=mp0664 /clone_end=3'	-1	AGCATCACTCTTAGAAGAAGCAACTC CTTCCCTTGATTCTGTGTTATTGG
6211	db mining	Hs.5816	D20846	504666	HUMGS01827 cDNA, 3' end /clone=mp0825 /clone_end=3'	-1	TCAACCCAGAATCTATAATGTATGAA ATAAATTAATAGAGAACCCAACAGAT C
6212	db mining	Hs.30793	D20888	504708	HUMGS01869 cDNA, 3' end /clone=mp0836 /clone_end=3'	-1	AAGGTCTCCATCTAACAGGTAGAGCA GTTGGTGCAGATGAGATGAGCCTG
6213	Table 3A	Hs.292590	D59502	960608	602626586F1 cDNA, 5' end /clone=IMAGE:4751396 /clone_end=5'	-1	GGTGATGATACCACCTCCAATGAACA GGGAAGCAAGTTCATCAGTCAACA
6214	Table 3A	Hs.119274	F13765	758015	RAS p21 protein activator (GTPase activating protein) 3 (Ins(1,3,4,5)P4- binding protein) (GAP1IP4BP), mRNA /cds=(46,2550)	-1	AGCTGTTGGGGCTGCACTGAGCTGC AATTTTAAATGGAATTTATAACTT
6215	db mining	Hs.238797	H07915	872737	602081661F1 cDNA, 5' end /clone=IMAGE:4245999 /clone_end=5'	-1	AAGGAATTTGTTTTCCCTATCCTAACT CAGTAACAGAGGGTTTACTCCGA
6216	db mining	Hs.11307	H09541	874363	RST29274 cDNA	-1	CGCACACATTTTCTGTATGGACAAAT CCTGGATTGGCTTCGTTATTTGGT
6217	Table 3A	Hs.187908	H69141	1030426	EST375312 cDNA	-1	GGTAATGAAACAATCATCCAGTTAAC AATCAGCAAGGTTCTTCAGAGCCT
6218	Table 3A	Hs.117005	H71236	1043052	sialic acid binding Ig-like lectin 5 (SIGLEC5), mRNA /cds=(142,1797)	-1	TGGAAGAGTGGACTGAAGAAAGAACT TATACCTCTCCCTCTCTCAAAATTGA
6219	Table 3A	NA	H78395	1056484	yu12f03.s1 Soares fetal liver spleen 1NFLS cDNA clone IMAGE:233597 3' similar to contains Alu repet	-1	TCCTGGGCTATTGGCTTTATGATATC TTTTGAGAAACAGGATTTTCACTT
6220	Table 3A	Hs.38664	H80108	1058197	ILO-MT0152-061100-501-e04 cDNA	-1	ACCTTTTAAAGGATGTCTTATTCCACC CCAACCTCTCCACTCCATTTTAGT
6221	Table 3A	NA	H92914	1099242	yt94g03.s1 Soares_pineal_gland_N3HPG cDNA clone IMAGE:231988 3', mRNA sequence	-1	GAACCTTCAAACCTGTCATTTGAGT TCCAGAAGAGTCCTTCAGCATCTT
6222	Table 3A	Hs.2210	L40410	703109	thyroid receptor interactor (TRIP3) mRNA, 3' end of cds /cds=(0,458)	-1	GTATTTGGGCTTCTCCAAGCAGATCA CGCAGACGACGGTGCTACATTTGA
6223	Table 3A	Hs.2200	L40557	705359	perforin 1 (preforming protein) (PRF1), mRNA /cds=(0,1667)	-1	CAAGCATACTGGTTCTTCCAAGCTC ACTGTTCTCACCACAGGCCCCAC

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6224	Table 3A	Hs.198726	M24069	181483	vasoactive intestinal peptide receptor 1 (VIPR1), mRNA /cds=(56,1543)	-1	TCCATATCCATTTCTGACGTTGAACC ATTTGACAGTGCCAAAGGACTTTGG
6225	Table 3A	Hs.132911	N20190	1125145	MR2-OT0079-290500-007-b03 cDNA	-1	AAGCCTGTTTTCTACTCTAAAAATTCA AGAGGACACGCTAAGAACGATCA
6226	Table 3A	Hs.323950	N23307	1137457	zinc finger protein 6 (CMPX1) (ZNF6), mRNA /cds=(1265,3361)	-1	CCTCAGCTTCCAACCTCTGATTCCAGG ACAGGATGGAACCTTTGGACAG
6227	Table 3A	Hs.32250	N30152	1148672	yx81f03.s1 cDNA, 3' end /clone=IMAGE:268157 /clone_end=3'	-1	GCGCACATGGCTATTTTGATACACAA AGTTGTGTTTGCTACTTTAGAAGC
6228	db mining	Hs.44512	N33584	1153983	yv21f11.s1 cDNA, 3' end /clone=IMAGE:243405 /clone_end=3'	-1	AACTCACGACAATTGCTACAAAACAC CAGGGAGGGGCTTTTGTGTTTTT
6229	Table 3A	Hs.3353	N36787	1157929	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P) (B3GAT1), mRNA /cds=(175,1179)	-1	GTCTTTCCCGTCTTTCTCTCCACCTA TGTAATTTAGTAGTCTCTCAGC
6230	Table 3A	Hs.38218	N39230	1162437	602569369F1 cDNA, 5' end /clone=IMAGE:4693744 /clone_end=5'	-1	GCCCTGGTATGTATGCCTTTCTCTCC TACTGTCTAATAGCACCTCGTAAA
6231	Table 3A	Hs.236456	N49836	1191002	602287746T1 cDNA, 3' end /clone=IMAGE:4375067 /clone_end=3'	-1	AAGAAACCGTGAAGATACTGGTTTA TTTCAAATGAGCAGAGTATGTTGT
6232	Table 3A	Hs.114453	N58052	1201942	601880526F1 cDNA, 5' end /clone=IMAGE:4109119 /clone_end=5'	-1	CCACCTCTTCTGACATGAATGTAGCA TAAGTTAGCAATCGGTTCTTCCAA
6233	Table 3A	Hs.334731	N58136	1202026	Homo sapiens, clone IMAGE:3448306, mRNA, partial cds /cds=(0,2353)	-1	AGGTTCCCTTTCAAATAAGATAAAG AATTTGACTTGGGACACTGCCAGA
6234	Table 3A	Hs.205555	N72600	1229704	za46f08.r1 cDNA, 5' end /clone=IMAGE:295623 /clone_end=5'	-1	GGCTGGCCTCATTTTGAAGTTAGT ACAATTTTCTTCACTGCTAAGCTTG
6235	Table 3A	Hs.256931	N80578	1243279	zb02d05.s1 cDNA, 3' end /clone=IMAGE:300873 /clone_end=3'	-1	ACTCCAGAACGTCAGAAATGGTGTAG CAGAAATGAATTCGTTTATAAGGAA
6236	Table 3A	Hs.303018	N94511	1266820	zb80g04.s1 cDNA, 3' end /clone=IMAGE:309942 /clone_end=3'	-1	CTGTTGCGAAAGTTGGAGACTGCCTGT ACCCAGGTTGATAGTCAATGTGTTT
6237	db mining	Hs.118964	NM_017660	8923093	hypothetical protein FLJ20085 (FLJ20085), mRNA /cds=(62,655)	-1	CCACCTTGAGCGCCTTCTCTGGTTG GTTGTCATGCAGTCTTCACACATG
6238	Table 3A	Hs.11594	R12665	765741	yf40a04.s1 cDNA, 3' end /clone=IMAGE:129294 /clone_end=3'	-1	ACCCTTCCCCTTTTTCATATCCTTTCT TCAAAAATCTAAATGATGTGCCT
6239	db mining	Hs.108082	R40823	821181	602068988F1 cDNA, 5' end /clone=IMAGE:4067972 /clone_end=5'	-1	AGTTCCAGGAGGTGGTTTTAAATATT GGATGAAAACCTACAGGCTGTTTT
6240	db mining	Hs.94881	R50838	812740	602387586F1 cDNA, 5' end /clone=IMAGE:4516388 /clone_end=5'	-1	ACAATACATTTACAAAGCCATCTTTAC ATGCATTAAACGAGGGCTACAAC
6241	Table 3A	Hs.94881	R50838	812740	602387586F1 cDNA, 5' end /clone=IMAGE:4516388 /clone_end=5'	-1	ACAATACATTTACAAAGCCATCTTTAC ATGCATTAAACGAGGGCTACAAC
6242	RG housekeeping genes	Hs.92004	R52541	814443	HSU55967 cDNA /clone=39883	-1	GGCCTGAAGAAGGAGATAAGTGTTT CATTCGGCAACATAAGAGAAGTTAA
6243	RG housekeeping genes	Hs.26766	R60313	831008	602270716F1 cDNA, 5' end /clone=IMAGE:4359027 /clone_end=5'	-1	TCCATCCCAAAGGAGAGCTACTGTAC TGACTGTACTTGTGGAAATGCAGCG
6244	db mining	Hs.330530	T25714	563034	ESTDIR309 cDNA, 3' end /clone=CDDIRX9 /clone_end=3'	-1	ACCCACCACTCTCAGGACCACCTGAA GGCAGATAAACCGGATCCTGTTG
6245	db mining	NA	T25727	563047	ESTDIRX51 CD34+DIRECTIONAL cDNA clone CDDIRX51 3', mRNA sequence	-1	AAATTGTGTGAGAAAGGCTGATAAACG TCTGTGGTTTCTCCCTGTGCTATT
6246	db mining	Hs.7569	T26893	567784	ESTDIR465 cDNA, 3' end /clone=CDDIR465 /clone_end=3'	-1	GCTGGGCTTCTGCAAAATTATAAAGT TGCTTTATTAAATTCATACATGCGG
6247	db mining	Hs.172822	T26903	567794	ESTDIR551 cDNA, 3' end /clone=CDDIR551 /clone_end=3'	-1	AGCTGATTCATTCATTCTATGTGTGC CACTAAATAAGAGATTGAGCAAGT
6248	Table 3A	Hs.185675	T98171	747516	QV2-EN0098-010201-603-a05 cDNA	-1	CTTGAAGCTGTGTTGGTGGCCTGTGA CCTTCCAATGCAATCTAGACTGTG
6249	Table 3A	Hs.58066	W72392	1382348	602389077F1 cDNA, 5' end /clone=IMAGE:4517875 /clone_end=5'	-1	CTCATACACTTCTCAGCCTCAGCACC TAACCCTCACACAACACTCCAGTA
6250	Table 3A	NA	W86427	1400194	zh61c11.s1 Soares_fetal_liver_spleen_1NFLS_S1 cDNA clone IMAGE:416564 3', mRNA sequence	-1	TGAGTATTGTTGTGGGGGCGGGTAT GTCTGTATATAAATCTGTGCAGCCA
6251	Table 1	NA	AA136584	1697794	zn95b02.s1 Stratagene fetal retina 937202 cDNA clone IMAGE:565899 3', mRNA sequence	-1	AACATATCCAGGGAGGACAAACTCTG GGCTGGACAATGTATCCACAAGGG
6252	Table 1	NA	AA431959	2115667	zw77a03.s1 Soares_testis_NHT cDNA clone IMAGE:782188 3', mRNA sequence	-1	AGAGCAAGTCTCAGAAATAATGCTGT ATCTACACTGTCATGTAATTGCCA
6253	Table 1	NA	AA482019	2209697	zu98e04.s1 NCI_CGAP_GCB1 cDNA clone IMAGE:746046 3', mRNA sequence	-1	ACCACCAGCTATTTGTAATTCCTTCTT CTAAGGCATAGTGAAAACCTGCT
6254	Table 1	NA	AA524720	2265648	ng42e03.s1 NCI_CGAP_Co3 cDNA clone IMAGE:937468 3', mRNA sequence	-1	GGACGGTTGGCTGAATGGCAACAGT GATGGAATATTTATATTAGCCACA

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6255	Table 1	Hs.57787	AA588755	2402486	602381381F1 cDNA, 5' end /clone=IMAGE:4498845 /clone_end=5'	-1	AGGTTGTTATCAGGTGGCACAAATTA AATCCATCTTGAAGACITTCACACA
6256	Table 1	NA	AA628833	2541220	af37g04.s1 Soares_total_fetus_Nb2HF8_9w cDNA clone IMAGE:1033878 3', mRNA sequence	-1	GACTCGTTACGCCGTAGTTTGTCTCA TCTTGTATCAAATGAATTCGT
6257	Table 2	Hs.180669	AA633203	2556617	OS-4 protein (OS-4) mRNA, complete cds /cds=(305,1156)	-1	AGAGCTATGGGTGCTACAGGCTTGTC TTTCTAAGTGACATATTCTTATCT
6258	Table 1	Hs.239489	AA639796	2563575	TIA1 cytotoxic granule-associated RNA- binding protein (TIA1), transcript variant 2, mRNA /cds=(185,1345)	-1	ACCCTTATAAACCAGAGCCCAGGAAA GACAGCTCGAGTGTATAATTCTCT
6259	Table 1	Hs.29282	AA748714	2788672	mitogen-activated protein kinase kinase kinase 3 (MAP3K3), mRNA /cds=(83,1963)	-1	AGCTCCTCCTCTCAACACCCAGTTT CCTGGGAGTTGTCAATTAAGGAA
6260	Table 1	Hs.111554	AA806222	2874972	ADP-ribosylation factor-like 7 (ARL7), mRNA /cds=(14,592)	-1	GCTGTAATTCTCTGTCTCATCATCCTT CTCTTTTGTTCATAGCCTTTT
6261	Table 1	NA	AA806766	2875516	ob91d04.s1 NCL CGAP_GCB1 cDNA clone IMAGE:1338727 3', mRNA sequence	-1	TCGCTTTCTAACTGATTCCATTCCAC CATGTCAGATACTCCTGGGCTGCT
6262	Table 1	Hs.226755	AA909983	3049273	RC1-UT0033-250800-022-h02 cDNA	-1	ATCCAAGCTTTAATTCTGCCATCTCA GAATGGTGATAAACCAATTTCTCCC
6263	Table 1	Hs.50252	AA984245	3162770	mitochondrial ribosomal protein L32 (MRPL32), mRNA /cds=(46,612)	-1	TCAGCCAACCTGAATCTGGTATCTTT ACTTAAACACAGCAGTTGTAGTTA
6264	Table 1	Hs.53542	AI084224	3422647	chorea-acanthocytosis (CHAC) mRNA, complete cds /cds=(260,9784)	-1	TCAATAGTTGTGAATTTCTCTCAGG CTCCTTAAACCCTCGCTTTGTTGT
6265	Table 1	Hs.135167	AI091533	3430592	AV712376 cDNA, 5' end /clone=DCAAND12 /clone_end=5'	-1	AGAGGCAACACTTAAACACTAGGGCT ACTGTGGCATCTATGTAGACAGGA
6266	Table 1	Hs.11637	AI275205	3897479	602388093F1 cDNA, 5' end /clone=IMAGE:4517086 /clone_end=5'	-1	TGACTTTCAGGAATGTCAGCATTGAC CTCTCCTTGCCACTGTTACTCAGC
6267	Table 1	Hs.8724	AI298509	3958245	serine threonine protein kinase (NDR), mRNA /cds=(595,1992)	-1	TCTCAAGAGAGAACGCCACAGCAGA GAGACCCAATCCGCCTAAGTTGCAG
6268	Table 1	Hs.142838	AI299573	3959158	nucleolar protein interacting with the FHA domain of pKi-67 (NIFK), mRNA /cds=(54,935)	-1	AGAGTGAGAAGGCAGTTCAGTTTAA GCACAGATTGTATTATGTGTTTCA
6269	Table 1	Hs.100555	AI352690	4089896	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 18 (Myc-regulated) (DDX18), mRNA /cds=(71,2083)	-1	GGGGTAGGAAGGATGGAATTGAG ATGTTTGAGCCTCATTTACATCAAT
6270	Table 1	Hs.108124	AI362793	4114414	cDNA: FLJ23088 fis, clone LNG07026 /cds=UNKNOWN	-1	GCTCGCTACCAGAAATCCTACCGATA AGCCCATCGTGACTCAAACTCAC
6271	Table 1	Hs.134342	AI363001	4114622	mRNA for LanC-like protein 2 (lancl2 gene) /cds=(186,1538)	-1	GACGCCACACACACCTTGATGACAG CGACCTCTCTCTACAGGTTTCC
6272	Table 1	Hs.192427	AI380016	4189869	602296277F1 cDNA, 5' end /clone=IMAGE:4390770 /clone_end=5'	-1	ACTTCCCCTTTAGGTATCCCTGGAGT AATAATGACAACAAAATTCACATGC
6273	Table 2	Hs.158976	AI380390	4190243	UI-H-BI2-ahi-a-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:2726692 /clone_end=3'	-1	GTCCTTTGATAGCAGAACAAGAGGCT CTGTGATCCTCTGGACCTCAGATT
6274	Table 1	NA	AI392705	4222252	tg23b03.x1 NCL CGAP_CLL1 cDNA clone IMAGE:2109581 3', mRNA sequence	-1	TGCAGGCTCATTGTGCTCCTTCTTCT GGGTTTCAATTGGATTTAGTCCT
6275	Table 1	Hs.76239	AI393970	4223517	hypothetical protein FLJ20608 (FLJ20608), mRNA /cds=(81,680)	-1	GAGGACTGGGACCGTGATTCCACTA ACCGAAACCGTCGCCCTTCGGGCC
6276	Table 1	Hs.79968	AI419082	4265013	splicing factor 30, survival of motor neuron-related (SPF30), mRNA /cds=(0,716)	-1	GGATGTGTGATGTTTATATGGGAGAA CAAAAAGCTGATGTATAGCCCTGT
6277	Table 1	Hs.121973	AI458739	4311318	602428025F1 cDNA, 5' end /clone=IMAGE:4547239 /clone_end=5'	-1	CCTGCAACAGCTAAGGCCAAGCCAA ACTTACCGTGGACTCAAACACTTTG
6278	Table 1	Hs.342008	AI498316	4390298	UI-H-BI1-aeq-b-02-0-UI.s1 cDNA, 3' end /clone=IMAGE:2720186 /clone_end=3'	-1	GCCAGATGGTACAGAGTGAGGGT GTTCTGCTAATGACTTCAGAGAAAT
6279	Table 1	Hs.194054	AI523854	4437989	HA0669 cDNA	-1	GACAAAATAGTTACCTATGCTTTCTT CTGGCACCCCGAATGTACGCAGG
6280	Table 1	Hs.14623	AI571519	4534893	interferon, gamma-inducible protein 30 (IFI30), mRNA /cds=(40,951)	-1	AAGCCAGATACAAAAATCCACCC CATGATCAAGAATCCTGCTCCACT
6281	Table 1	Hs.278554	AI627495	4664295	chromobox homolog 3 (Drosophila HP1 gamma) (CBX3), mRNA /cds=(111,662)	-1	TGCTGAAAGTGGTCCCAAAGGGGTA CTAGTTTTAAGCTCCCAACTCCCC
6282	Table 1	Hs.17132	AI633798	4685128	602326676F1 cDNA, 5' end /clone=IMAGE:4427970 /clone_end=5'	-1	GCAACTGTTTTCTAGGACATGTTTAC TAGAACTACTTTAAGTATGCTGTGC
6283	Table 1	Hs.4283	AI651212	4735191	602621616F1 cDNA, 5' end /clone=IMAGE:4755315 /clone_end=5'	-1	ACAGTTACTTTGGAGCTGCTAGACTG GTTTTCTGTGTTGGTAAATTGCCT
6284	Table 1	Hs.324507	AI678099	4888281	hypothetical protein FLJ20986 (FLJ20986), mRNA /cds=(182,2056)	-1	CGCCAGAGGTCAGAATATGTCTATTT TGAATTGGATCGTTACAATGAGC
6285	Table 1	Hs.90744	AI684022	4895316	proteasome (prosome, macropain) 26S subunit, non-ATPase, 11 (PSMD11), mRNA /cds=(0,1268)	-1	TTCTGACACGATTACACAACGAGGCT TTAATGCCATTTGGGTAGGTGAGC

Table 8

6286	Table 1	NA	AI688560	4899854	wd39f08.x1 Soares_NFL_T_GBC_S1 cDNA clone IMAGE:2330535 3', mRNA sequence	-1	ACTGAAAAGTTGAAAGACTTTTGCAG TGAACATTATATAACTCCCCGCT
6287	Table 1	Hs.177708	AI697756	4985656	602369210F1 cDNA, 5' end /clone=IMAGE:4477370 /clone_end=5'	-1	TGGTTCCTGTGCTCACCATAGGGCTG GTGTACATTGGGCCATTAATAAAC
6288	Table 1	Hs.80887	AI701165	4989065	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog (LYN), mRNA /cds=(297,1835)	-1	TCTGGGAAAGACATTTTTAAGCTGCT GACTTCACCTGCAAAATCTAACAG
6289	Table 1	Hs.299883	AI742850	5111138	hypothetical protein FLJ23399 (FLJ23399), mRNA /cds=(282,1769)	-1	TGTTTTACCTCACTGTTGGACATACAT TCCAAGCTTTTCAACTCTAGGAG
6290	Table 1	Hs.14373	AI760353	5176020	yx26h11.r1 cDNA, 5' end /clone=IMAGE:262917 /clone_end=5'	-1	TTTATCTCAGAATCTTGATGAACCTG AAATGACCCCTGATGGGGGCATG
6291	Table 1	Hs.36137	AI765153	5231662	hepatocyte nuclear factor 3, gamma (HNF3G), mRNA /cds=(0,1043)	-1	CCGGGAAGCGGGGTAAGTGGCTGTGT TTAATCATTAAGGTACCGTGTCCG
6292	Table 1	Hs.195175	AI802547	5368019	mRNA for CASH alpha protein /cds=(481,1923)	-1	AGCCCTTTCTTGTGCTGTATGTTTA GATGCTTTCCAATCTTTGTACT
6293	Table 1	Hs.25648	AI803065	5368537	tumor necrosis factor receptor superfamily, member 5 (TNFRSF5), mRNA /cds=(47,880)	-1	GGGGTATGGTTTAGTAATATCCACCA GACCTCCGATCCAGCAGTTTGGT
6294	Table 1	NA	AI807278	5393844	wf38h03.x1 Soares_NFL_T_GBC_S1 cDNA clone IMAGE:2357909 3', mRNA sequence	-1	CTCTACCATAAGGCATATCAGAGAC TGCTACTGGAGTGTATATTGGTT
6295	Table 1	Hs.220850	AI880607	5554656	ym91d11.r1 cDNA, 5' end /clone=IMAGE:166293 /clone_end=5'	-1	TGGGGCACTTTGAAACTTCACAGGC CCAGCTGCTGCTTGTGAAATAAAA
6296	Table 1	Hs.23096	AI884671	5589835	602254146F1 cDNA, 5' end /clone=IMAGE:4346626 /clone_end=5'	-1	TGGCGAGGATAAATAGAGGCATTGTT TTTGCTACTTTGCATATCATTGGC
6297	Table 1	Hs.179391	AI917642	5637497	wi52d11.x1 cDNA, 3' end /clone=IMAGE:2393877 /clone_end=3'	-1	GCAGGAAAGATGGGGTGGTGGACTG TTTTGCCTACTTTTTGTTTTGAA
6298	Table 1	Hs.180446	AI948513	5740823	importin beta subunit mRNA, complete cds /cds=(337,2967)	-1	CAGGGTATCAGATATTGTGCCTTTTG GTGCCAGGTTCAAAGTCAAGTGCC
6299	Table 1	Hs.7557	AL042081	5421426	FK506-binding protein 5 (FKBP5), mRNA /cds=(153,1526)	-1	AGGCTGCATTTGGATTGCCAAGTCAG CATATGAGGAATTAAGACATTGT
6300	Table 1	Hs.39911	AL138429	6855110	mRNA for FLJ00089 protein, partial cds /cds=(62,1111)	-1	TTAAGAACCCCAAAGATTAAAGGAAA CAATGTTAAGGGCTTTTGTGAGGA
6301	Table 1	Hs.13144	AL521097	12784590	HSPC160 protein (HSPC160), mRNA /cds=(53,514)	-1	GATACACTGTCCAGCCAGGTCAG GCCCTAGGTTCTTTACTCTAGCTAC
6302	Table 1	Hs.26670	AL540260	12870241	AL540260 cDNA /clone=CS0DF032YF03-(3-prime)	-1	ACTCAGGTGGTGTGGTGTAGTGAT GCTGGAGAAGAGAATATTACTGGT
6303	Table 1	Hs.183232	AL561892	12909772	hypothetical protein FLJ22638 (FLJ22638), mRNA /cds=(12,476)	-1	AAACACAGCCCAACCCATTTTCAGACC GCCTTCTGAGGAGAAATGACAG
6304	Table 1	Hs.5057	AL578975	12943566	AL578975 cDNA /clone=CS0DK012YN01-(3-prime)	-1	TTGGCCCAAGTGTGATTGATTGCTTTA TCTTTGGTACTTTTACTTGAATGG
6305	Table 1	Hs.198296	AL582354	12950255	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 (SMARCA2), mRNA /cds=(297,5015)	-1	AGCCTGAGGCAATAAATAATCCAGTA ATTTCAAGAATGGGTGTTGGCAA
6306	Table 1	Hs.101370	AL583391	12952309	AL583391 cDNA /clone=CS0DL012YA12-(3-prime)	-1	AGGACCTTGACAAGCCGTTTGAGATG GAATGTAGGCCCTGATGTTATGCT
6307	Table 1	Hs.38218	AV659358	9880372	602569369F1 cDNA, 5' end /clone=IMAGE:4693744 /clone_end=5'	-1	TGTAAGTTGACTTTCAAAGTCTCTG GAAACACTGGACTTTAGCTGGTCC
6308	Table 1	Hs.301704	AW002985	5849991	eomesodermin (Xenopus laevis) homolog (EOMES), mRNA /cds=(0,2060)	-1	AACAAGCCATGTTTGCCCTAGTCCAG GATTGCCCTCACTTGAGACTTGCTA
6309	Table 1	NA	AW027160	5885916	wt72b08.x1 Soares_thymus_NHFT h cDNA clone IMAGE:2512983 3' similar to contains Alu repetitive eleme	-1	ACCGCCAAAGCCAATCATCCACTTTC AGTACTTACCTAACCAATCTCCCA
6310	Table 1	Hs.89433	AW071894	6026892	ATP-binding cassette, sub-family C (CFTR/MRP), member 1 (ABCC1), transcript variant 1, mRNA /cds=(196,4791)	-1	TTTGGGGGATCCTTTTGTAATGACTT ACACTGGAAATGCGAACATTGCA
6311	Table 1	Hs.335449	AW136717	6140850	UI-H-BI1-adm-a-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:2717092 /clone_end=3'	-1	TTCTGGCCTTGTTACACCTAGAAACGC TATTTCTGTGTTATGTTCTGGC
6312	Table 1	Hs.12035	AW137149	6141282	602122419F1 cDNA, 5' end /clone=IMAGE:4279300 /clone_end=5'	-1	GGGTTACATTGAGTCTCTGTACCTG CTTGGAAGAAATAAAAAACGTGT
6313	Table 1	Hs.337727	AW161820	6300853	au70h03.x1 cDNA, 3' end /clone=IMAGE:2781653 /clone_end=3'	-1	TGTGGGCTTGGTATAAACCCCTACTTT GTGATTTGCTAAAGCACAGGATGT
6314	Table 1	Hs.81248	AW166442	6397967	CUG triplet repeat, RNA-binding protein 1 (CUGBP1), mRNA /cds=(137,1585)	-1	ACTGGCAATGAAGCATACTGGCTTG CAGGGACCTTCTGATTCAAGTACA
6315	Table 1	Hs.166975	AW293159	6699795	splicing factor, arginine/serine-rich 5 (SFRS5), mRNA /cds=(218,541)	-1	CTCCCATCATTCCCTCCCGAAGCCA TTTTGTTCAGTTGCTCATCCACGC
6316	Table 1	Hs.328348	AW338115	6834741	tp39g05.x1 cDNA, 3' end /clone=IMAGE:2190200 /clone_end=3'	-1	GGCGTTTCCCATTGACCAGTTTGACC CTGGTTTGAATAAGAGAAGTGCG

Table 8

6317	Table 1	Hs.337986	AW440517	6975823	Homo sapiens, clone MGC:17431 IMAGE:2984883, mRNA, complete cds /cds=(1336,1494)	-1	GCCAGTCTCTATGTGTCTTAATCCCT TGTCCTTCATTAAGCAAACTA
6318	Table 1	Hs.250	AW444632	6986394	xanthene dehydrogenase (XDH), mRNA /cds=(81,4082)	-1	TGCAATGAGGCAAGTGGGGTAAGGTT AAATCCTCTAACCGCTTTGAATCA
6319	Table 2	Hs.335815	AW444812	6986574	UI-H-B13-ajy-d-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:2733380 /clone_end=3'	-1	TGGCAACTTCAACTCCTTGATGGCGA TAATCTCTGGTATGAATATGAGCC
6320	Table 1	Hs.342873	AW451293	6992069	RC3-HT0230-130100-014-g06 cDNA	-1	TGCTTGGGAAATTTGGTTTGTAAACC TAAATAGCCCTTATTCTGGGGA
6321	Table 1	Hs.342735	AW452096	6992953	UI-H-B13-alo-d-02-0-UI.s1 cDNA, 3' end /clone=IMAGE:3068186 /clone_end=3'	-1	CTTTCTGCCTGAAAGCTGCCCCCATGA CTCCTCTCTTTGTGCAAAAGCATG
6322	Table 1	Hs.80618	AW510795	7148873	hypothetical protein (FLJ20015), mRNA /cds=(31,522)	-1	ACCCAGTTTGTGCATAGTTCATGATC CTCTATAAAACCAAGCTTTTGTGGA
6323	Table 1	Hs.259842	AW614193	7319379	cDNA FLJ11025 fis, clone PLACE1003988, moderately similar to 5'-AMP-ACTIVATED PROTEIN KINASE, GAMMA-1 SUBUNIT /cds=(159,1145)	-1	ACACCATTTCAGCGTTGGATCACAGA CAGCTCTTCTTTATATCCCAGCA
6324	Table 1	Hs.334437	AW778778	7793371	hypothetical protein MGC4248 (MGC4248), mRNA /cds=(70,720)	-1	TGGCATAATGTTGGATTGAATCTACA TTTTGGCAGAAGTTAAACATCC
6325	Table 1	Hs.151393	AW778854	7793457	glutamate-cysteine ligase, catalytic subunit (GCLC), mRNA /cds=(92,2005)	-1	AGAATGCCTGGTTTTCTGTTTGAATT TGCTTGTGTAAATCAGGTTGTAA
6326	Table 1	Hs.120243	BE044364	8361417	gamma-parvin (PARVG), mRNA /cds=(0,995)	-1	ATCGTTGGATTATCTTTGAACCCCT TGTGTGGATCATTTTGTAGCCGCT
6327	Table 1	Hs.5734	BE218938	8906256	meningioma expressed antigen 5 (hyaluronidase) (MGEA5), mRNA /cds=(395,3145)	-1	ATACAGGGTTCATCCAGAAAGCATT CAGTCAGAGCAAGTTAAAGTCAGT
6328	Table 1	Hs.167988	BE222301	8909619	neural cell adhesion molecule 1 (NCAM1), mRNA /cds=(201,2747)	-1	AAGTTGCTCTGTGCTAAAGCAAGCGT GGGATGATCCTACCTACCTTAGG
6329	Table 1	Hs.27774	BE348809	9260662	602386841F1 cDNA, 5' end /clone=IMAGE:4515730 /clone_end=5'	-1	AGCTAGTGATGTTTTGTCCAAAGGAA GATTCTGACAACAGCTTCAGCAGA
6330	Table 1	NA	BE348955	9260808	hs91h01.x1 NCL_CGAP_Kid13 cDNA clone IMAGE:3144625 3', mRNA sequence	-1	ACACAGACATATTGACCGCACACAAC ACTGAAATGGACTGACTTGAGAAA
6331	Table 1	Hs.56156	BE349148	9261087	601463367F1 cDNA, 5' end /clone=IMAGE:3866512 /clone_end=5'	-1	TGGTTCTCTGATTGTGAATGAGCACC TGGATATGTCAATTAAATGCCCA
6332	Table 1	Hs.127428	BE466500	9512198	Homo sapiens, Similar to homeo box A9, clone MGC:19648 IMAGE:2987818, mRNA, complete cds /cds=(62,880)	-1	GGCCTACTGACCAAATTTGTTGTGTTG AGATGATATTTAACTTTTGTCCAA
6333	Table 1	Hs.122575	BE502246	9704654	endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 4 (EDG4), mRNA /cds=(6,1061)	-1	CGATAGAATTGAAGCAGTCCACGGG GAGGGGATGATACAAGGAGTAAACC
6334	Table 1	Hs.197766	BE502992	9705400	clone 23932 mRNA sequence /cds=UNKNOWN	-1	CTCAAACGAAATTTGGGCAGGCCATTT GCGTGGTTTCTCTGGATAAGTTCC
6335	Table 1	Hs.61426	BE550944	9792636	602329933F1 cDNA, 5' end /clone=IMAGE:4431248 /clone_end=5'	-1	GCACATGACAGTAAGCGAGGTTTTGG GTAATATAGATGAGGATGCCTAT
6336	Table 1	Hs.122655	BE551867	9793559	hypothetical protein MGC14425 (MGC14425), mRNA /cds=(318,686)	-1	ACACAGGAACCGCTTACCCACCAGCT CTGCCCGCGTCTCTACCGCCATAG
6337	Table 1	Hs.4310	BE614297	9895894	eukaryotic translation initiation factor 1A (EIF1A), mRNA /cds=(207,641)	-1	ACAACTCAAGTGAAAAGATGTCTCCA GTTTCTGAAGATAACGCACGCTGA
6338	Table 1	Hs.341573	BE646470	9970781	tc38c11.x1 cDNA, 3' end /clone=IMAGE:2066900 /clone_end=3'	-1	AAAACACTCCACCTAAAAGCAGGAAA GATGGCAATTCTAAATAGCAGCTA
6339	Table 1	Hs.88845	BE674685	10035307	AV733781 cDNA, 5' end /clone=cdAASF08 /clone_end=5'	-1	CGCCGCTCCTGGAGACCTGATAACTT AGGCTTGAATAATTGACTTGTCT
6340	Table 1	Hs.181015	BE676054	10036595	signal transducer and activator of transcription 6, interleukin-4 induced (STAT6), mRNA /cds=(165,2708)	-1	ATCCCATTTCTCCCTCTCAAGCCAGGG GTCATAGATCCTAAGCCATAAAAT
6341	Table 1	Hs.108327	BF001438	10701713	damage-specific DNA binding protein 1 (127kD) (DDB1), mRNA /cds=(109,3531)	-1	ACAGCATGAGAACTGTTAGTACGCA TACCTCAGTTCAAACCTTAGGGA
6342	Table 1	NA	BF056055	10809951	7k07h12.x1 NCL_CGAP_GC6 cDNA clone IMAGE:3443950 3' similar to contains element L1 repetitive eleme	-1	CACAATGCTGCCTCCTCTGTGGATGA CTGATGGCAAGAGTCTGAATTGAA
6343	Table 1	Hs.43857	BF058599	10812495	mRNA for KIAA1247 protein, partial cds /cds=(285,2942)	-1	TAAGAAATCCCAATTTTCAGGAGTGG TGGTGTCAATAAACGCTCTGTGGC
6344	Table 1	Hs.144583	BF059133	10813029	Homo sapiens, clone IMAGE:3462401, mRNA, partial cds /cds=(0,153)	-1	CGGCAGGGTGGCCTGTAAACAATTTC ATTTTGCGAGAACATTAGGTTAT
6345	Table 1	Hs.144519	BF061421	10820331	T-cell leukemia/lymphoma 6 (TCL6), transcript variant TCL6a2, mRNA /cds=(1767,2192)	-1	GCTGGAGGGAGAGGCACTGGGGAAT TTTCTCTGGTGAATACTGAAGTTAC

Table 8

6346	Table 1	Hs.96566	BF194880	11081165	602137338F1 cDNA, 5' end /clone=IMAGE:4274048 /clone_end=5'	-1	TGATACTTTGGTTCTCTTTCCTGCTCA GGTCCCTTCATTGTACTTTGGA
6347	Table 1	Hs.111583	BF197608	11086855	602365742F1 cDNA, 5' end /clone=IMAGE:4473923 /clone_end=5'	-1	ACTGCCAGTGAAGACTGTAAAGACAG AACACACTATTTTGGAGGGAGGAT
6348	Table 2	NA	BF197762	11087169	7p91f02.x1 NCI_CGAP_Skn1 cDNA clone IMAGE:3653139 3', mRNA sequence	-1	AGGAAGAGCCTGCACCTGTGGTGGGA ACAATCAGGGAAAAGGAAGTCAAAA
6349	Table 2	Hs.50785	BF221780	11128957	SEC22, vesicle trafficking protein (S. cerevisiae)-like 1 (SEC22L1), mRNA /cds=(119,766)	-1	TTTGGAGCTTCTATAGGAGTGAGAG GGGCAGCTCATTGTTGAGAGTTGC
6350	Table 1	Hs.250811	BF432643	11444806	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein) (RALB), mRNA /cds=(170,790)	-1	TGATCTGACTGGAAAAAATCCTGTGA TCCCCTCCCAAAGAAATCATGGGCT
6351	Table 1	Hs.293476	BF435621	11447923	hypothetical protein FKSG44 (FKSG44), mRNA /cds=(126,1520)	-1	CGTTTTCTGAGCATCGGTTGTGCCTT AACATTTTCTGCTGTGCTTTGGG
6352	Table 1	Hs.174104	BF445405	11510543	601438710F1 cDNA, 5' end /clone=IMAGE:3923643 /clone_end=5'	-1	ACTGCTGTTGCATGAATAGATGATAC AAAGCAAGTGATGAGGTTGGTATG
6353	Table 1	Hs.295726	BF447885	11513023	integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51) (ITGAV), mRNA /cds=(41,3187)	-1	AGTGAAGTGGTACAGTGTTCTGCT TGATTACACATGTAACCTGTGA
6354	Table 1	Hs.181311	BF478238	11549065	asparaginyl-tRNA synthetase (NARS), mRNA /cds=(73,1719)	-1	TGTCCTCTGAACCTGAGTGAAGAAAT ATACTCTGTCTTTGTACCTGCGT
6355	Table 1	Hs.179703	BF507849	11591147	tripartite motif protein 14 (TRIM14), mRNA /cds=(10,1230)	-1	CCATTTCCACTACATGCCTTTCTCTAC CTTCCCTTCAACAACCAATCAAGTG
6356	Table 1	Hs.300870	BF513602	11598781	mRNA; cDNA DKFZp547M072 (from clone DKFZp547M072) /cds=UNKNOWN	-1	AATACAGATTCATTTATTTAAGCGTC CGTGGCACCGACAGGGACCCAG
6357	Table 1	Hs.283022	BF514341	11599520	triggering receptor expressed on myeloid cells 1 (TREM1), mRNA /cds=(47,751)	-1	GCCTCTTTTCTGTATCACACAAGGG TCAGGGATGGTGGAGTAAAGCTC
6358	Table 1	Hs.146065	BF591040	11683364	AL580165 cDNA /clone=CS0DJ005YB18-(3-prime)	-1	CTGGGGCCGTAGCAAAAATCATGAAA AACACTTCAACGTGCTCTTCAAT
6359	Table 1	Hs.170577	BF725383	12041294	602574255F1 cDNA, 5' end /clone=IMAGE:4702644 /clone_end=5'	-1	CAGACCTGTGGGCTGATTCCAGACT GAGAGTTGAAGTTTGTGTGCATCA
6360	Table 1	Hs.104640	BF726114	12042025	HIV-1 inducer of short transcripts binding protein (FBI1), mRNA /cds=(0,1754)	-1	AAGGCAACCAACACATTAGAAGTCT TGGCACTTTGTAACGGAACGGGTA
6361	Table 1	Hs.296317	BF938959	12356279	mRNA for KIAA1789 protein, partial cds /cds=(3466,4899)	-1	GAAGTGACACTGACTGTATCTACCTC TCCTTTTCTTCATCAGGTGTTCT
6362	Table 1	Hs.26136	BF940103	12357423	hypothetical protein MGC14156 (MGC14156), mRNA /cds=(82,426)	-1	AATTCCAAAGGAGTGATGTTGGAATA GTCCCTCTAAGGGAGAGAAATGCA
6363	Table 1	Hs.133372	BF940291	12357611	AF150127 cDNA /clone=CBCBGA01	-1	AGCCCTCCACCCACCCAGTACTTT TACAAATGTGTTATTAAGACCCCT
6364	Table 1	Hs.304900	BF980139	12347354	602288147F1 cDNA, 5' end /clone=IMAGE:4373963 /clone_end=5'	-1	CCATCCTTGAGAAATGTGGGCACCAA GTCCATAATCTCCATAAATCCAAT
6365	Table 1	Hs.8258	BG054966	12512220	cDNA FLJ14737 fis, clone NT2RP3002273, weakly similar to SCD6 PROTEIN /cds=(77,1468)	-1	TATGAGTTTATGCGTTTTCCAGCCC TCCGAATCACTGACTGGGCGCTTT
6366	Table 1	Hs.5122	BG058599	12525258	602293015F1 cDNA, 5' end /clone=IMAGE:4387778 /clone_end=5'	-1	AGTTGGAGCTATCTGTGCAGCAGTTT CTCTACAGTTGTGCATAAATGTTT
6367	Table 2	Hs.89104	BG058739	12525527	602590917F1 cDNA, 5' end /clone=IMAGE:4717348 /clone_end=5'	-1	CGTGGGAGGATGACAAAGAAGCATG AGTCACCCTGCTGGATAAAGCTAGA
6368	Table 1	Hs.166982	BG149747	12661777	phosphatidylinositol glycan, class F (PIGF), mRNA /cds=(67,726)	-1	GTGGTTTGGTCAGCATACACTTCT CATTTTCATTTGATGTACAGCCA
6369	Table 1	Hs.184456	BG230563	12725596	hypothetical protein (LOC51249), mRNA /cds=(0,611)	-1	GTGTGAAGTGACAGCCTTGTTGTGA TGTTTTCTGCCTTCCCCAAGTTTG
6370	Table 1	Hs.3353	BG236015	12749862	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P) (B3GAT1), mRNA /cds=(175,1179)	-1	GTCTTTCCCGCTTTCTTCTCACCTA TGTAATTCAGTAGTCTCTCAGC
6371	Table 1	Hs.83623	BG654774	13792183	nuclear receptor subfamily 1, group I, member 3 (NR1I3), mRNA /cds=(272,1318)	-1	TGTTTCGTAAATTAATAGGTCTGGC CCAGAAGACCCACTCAATTGCCTT
6372	Table 1	Hs.109007	BG655723	13793132	602342214F1 cDNA, 5' end /clone=IMAGE:4452602 /clone_end=5'	-1	GTGGAAATCAGCACACAACCACAATG ACATTTAAGCACAGGATCATTATT
6373	Table 1	Hs.14453	BG744911	14055564	interferon consensus sequence binding protein 1 (ICSBP1), mRNA /cds=(47,1327)	-1	AGAATGGCAGACCTGTTTGCTGAAGT GTTTCATAAGATAACAATAGGCTTG
6374	Table 1	Hs.2730	BI084548	14502878	heterogeneous nuclear ribonucleoprotein L (HNRPL), mRNA /cds=(28,1704)	-1	TGGGATTTTGTTTTAAAGTCATTTGGT TTGGGGAGACCTTGTTTATTTT
6375	Table 1	Hs.296356	BI085832	14504162	mRNA; cDNA DKFZp434M162 (from clone DKFZp434M162) /cds=UNKNOWN	-1	TGGACAACTGACAGGGACTGCTTTG AAAGACAGGTACTCAGTTGAGTAT

Table 8

6376	Table 1	Hs.132911	N20190	1125145	MR2-OT0079-290500-007-b03 cDNA	-1	AAGCCTGTTTTCTCACTCTAAAAATTCA AGAGGACACGCTAAGAACGATCA
6377	Table 1	Hs.334731	N58136	1202026	Homo sapiens, clone IMAGE:3448306, mRNA, partial cds /cds=(0,2353)	-1	AGGTTCCCTTTCAAATAAAGATAAAG AATTTGACTTGGGACACTGCCAGA
6378	Table 1	Hs.303018	N94511	1266820	zb80g04.s1 cDNA, 3' end /clone=IMAGE:309942 /clone_end=3'	-1	CTGTTCCGAAAGTTGGAGACTGCCTGT ACCCAGGTTGATAGTCAATTGTTT
6379	Table 1	NA	W68708	1377588	zd35h04.s1 Soares_fetal_heart_NbHH19W cDNA clone IMAGE:342679 3', mRNA sequence	-1	AGCAGAGTTAAGTTTAAATTTCCATTCT TCACTAGTTTGTGACCTTTGCCA
6380	Table 1	NA	W86427	1400194	zh61c11.s1 Soares_fetal_liver_spleen_1NFLS_S1 cDNA clone IMAGE:416564 3', mRNA sequence	-1	TGAGTATTGTTGTGGGGGCGGGTAT GTCTGTATATAAATCTGTGCAGCCA
6381	Table 3A	NA		36G5		1	CCCTTGACAGATACATGAGACAGGCA GGGGCTGGAGTCTTGTTCATCCTG
6382	Table 3A	NA		36F11		1	GAGTAGTTGTCTTCTGGCACTAAC GTTGAGCTCGTGTACGCACTGAAG
6383	Table 1	NA		37G7		1	GAGTCCAATCTACACTCTAGTAGTGA AGACAGAAAGAGTTGGCATACGAGT
6384	Table 1	NA		37G8		1	GGCTGAACCTTACTCATTAAAGCCACAT AACTTCGAGTCAAGTTCCAGTCCA
6385	Table 3A	Hs.197345			thyroid autoantigen 70kD (Ku antigen) (G22P1), mRNA /cds=(17,1846)	1	GCTCTCAAGCCTCCTCCAATAAAGCT CTATCGGGAAACAATGAACCAGT
6386	Table 1	NA		40E4		1	AGGAATGCACACATTGCTCCAGGATC ACTGTGAGGATTAAGGAGATGGT
6387	Table 3A	NA		41E9		1	AGTAACGGAAACAGTTCAGTACTCC TGGTTCCTAGGTGAGCAGGTGATG
6388	Table 3A	Hs.169476			Homo sapiens, glyceraldehyde-3- phosphate dehydrogenase, clone MGC:10926 IMAGE:3628129, mRNA, complete cds /cds=(2306,3313)	1	GGTGTGAACCATGAGAAGTTGACAAA CAGCCTCAAGATCATCAGCAATGA
6389	Table 3A	NA		47E5		1	GGAGGTGTATAGGCTGGGATTTGAAA AGGAAAATAATCAGCGTGGTGCCA
6390	Table 2	NA		47D11		1	CCTAGACACCTGCATCAGTCAAGGTC ATGGATATTGGGAAGACAGACAGC
6391	Table 1	NA		50A11		1	TCCAGCAGATATAGGAAGCAGTGTAT CTAAACAGACAAAATAAAAGGCCCT
6392	Table 3A	Hs.132906			DNA sequence from clone RP11- 404F10 on chromosome 1q23.1-24.1. Contains the 5' end of the SLAM gene for signaling lymphocytic activation molecule, a SET (SET translocation (myeloid leukemia-associated)) protein pseudogene, the CD48 gene for CD48 antigen (B-cell membrane protein), the gene for a novel LY9 (lymphocyte antigen 9) like protein and the 5' end of the LY9 gene. Contains ESTs, STSs and GSSs /cds=(41,1048)	1	ATCTAGTGTACGAGACTTGGAGTCAG GCAGTGAGACTGGTGGGGCACGGG
6393	Table 1	NA		52B9		1	TGGTTTAATGGAAAATGCTCTGGAAA ATTCTTTTGCAACAGTTCATCGCT
6394	Table 1	NA		53B1		1	CACTAAAAGAGTGGGGAGGTGCAGC ACCTGGCTGGGGAACAAGAATATGG
6395	Table 1	NA		53E3		1	AAACGAATCACGTGCCTCGAAAGGG ACATATATTGTCTCTTAAAGCATTT
6396	Table 1	NA		53E10		1	AAGGGTTCAATTTCTTCTTTGGAAGG TGATGGTAAGGGTGTGGCTCCAGA
6397	Table 2	NA		53G7		1	TGGACAATTCCAAGTCCAAGAGGACT GTCTACTTTGACCTTTGTGTATT
6398	Table 1	NA		54F4		1	TTGTGTTAACCTGTTGTCCACGCTAA GATACAAACTTCCCGGAGGAAAGT
6399	Table 1	NA		54G9		1	TGTCACAGTGTCTATTATTTGCCCG GTTCTTAAAGTGAGAGCATCCTGA
6400	Table 1	NA		59G1		1	ACAATGATATTGATGAGGCACCCAGT CTTTTCATTTACTCTGAGTGAAGT
6401	Table 1	Hs.48320			mRNA for ring-IBR-ring domain containing protein Dorfin, complete cds /cds=(317,2833)	1	AGATCGAGATCTTCAGTCTCTGCTT CATCTGTGAGCTTGCCCTCAGTCA
6402	Table 1	NA		60G8		1	GGCCAGAGACCCCTAAGCTGCTTAATA CATTTATACCACATCCTTCTCAGC
6403	Table 2	NA		62C9		1	CCCTTGGAATTACTTGTTCAACTTCTT TCTTTCCCACTAGACGGGGACTT
6404	Table 3A	NA		62F11		1	CTTTGTAGATGCAGAGAGAAGCTATA AGAAACCCAGTACTTGCCGGGGC
6405	Table 1	NA		63E1		1	ACTGCCACATCTGACTTTACAGAATA ACCAATGTAAGTTAAATAGAGAAAC AG

Table 8

6406	Table 2	NA	65B1	1	AGTCTTGGCAGTCAACTCAGACTCAA ATGTAGAACTGGGAAGGACAGTGC
6407	Table 2	NA	65D10	1	AGCACTGTGCAGATGGCTTTAGAAGA TTCAGAACAGAAGCACAACTCTGTT
6408	Table 2	NA	65D11	1	AGCACTGTGCAGATGGCTTTGAAGA TTCAGAACAGAAGCACAACTCTGTT
6409	Table 2	NA	65D12	1	CTATGGAGTCTTGGAGGACACTGGA GTCACCATGCTAACACTGTGCAGAT
6410	Table 1	NA	68C9	1	CCCTGTCACCCCTTCGTGGCCAGTGC CAGACAGTAACTAGTGGATGCTAAA
6411	Table 1	NA	69F8	1	GAGAGAATAGGGTAGAGAGACCGGG ACTTGGGTAGAGATGACCGGGATTG
6412	Table 1	NA	69H11	1	AGTGAAGCTAGGAGAAATATCGAAT GTGTTAGGGACTTTGAAGTTACCA
6413	Table 3A	NA	70B6	1	CTGCATCTCTCTTTACTACCAGTGATT ACAAAGTGGGGTTTGGTGGGAGT
6414	Table 3A	Hs.17109	integral membrane protein 2A (ITM2A), mRNA /cds=(139,930)	1	TCTCTGACTTCTTATTACCAAGGACA CTCTATCTGTTGCCTCTTACTCTT
6415	Table 2	NA	72D4	1	CAGTTCAGATGTGCGTGTGTGGT CCCCAAGTATCACCTTCCAATTTC
6416	Table 3A	Hs.234279	microtubule-associated protein, RP/EB family, member 1 (MAPRE1), mRNA /cds=(64,870)	1	AACGACCCTGTATTGCAGAAGATTGT AGACATTCTGTATGCCACAGATGA
6417	Table 2	NA	72D8	1	GGGTCCCGAGCCCTTCAAGAGCTAG ATTACTCAAGTTTGTCCCTTGCC
6418	Table 1	NA	73C4	1	CACTGAAGCCAAACACAGAAGACTT TTGAGAATGAGGAGACAAATGAGT
6419	Table 1	NA	73H4	1	AGGTGAAAATTACTCTTCAGAAAGATA GCAGAGTGGATAATGGCCCATCGA
6420	Table 2	NA	73A7	1	TGCAGTGAGACTACATTTCTGTCTAA AGAAGATGTGTGAGTTCCGTCTT
6421	Table 3A	Hs.174228	small inducible cytokine subfamily C, member 2 (SCYC2), mRNA /cds=(0,344)	1	TCCAGCCAGCCAGCTCATTTCACTTT ACACCCTCATGGACTGGGATTATA
6422	Table 3A	Hs.3945	CGI-107 protein (LOC51012), mRNA /cds=(84,719)	1	TTTCATACATTGGAATCCACCTGAC TTTGGACCAACCCGAGAACAGAGC
6423	Table 1	NA	75A2	1	AGCACCAGGAATACAAAAATGATACTA TGCTGCCCTCCTAGATCTCAGGGA
6424	Table 3A	Hs.249495	heterogeneous nuclear ribonucleoprotein A1 (HNRPA1), transcript variant 2, mRNA /cds=(104,1222)	1	TGCCCATACACATGAGTATTTGTCTA AAACATGTCTTCTTTGTAGCAGCT
6425	Table 2	NA	75B12	1	GCAAATCTAACTGCAGGAAATTTT TGACCCCGAAGTATTAGATCCCT
6426	Table 2	Hs.205442	601439689F1 cDNA, 5' end /clone=IMAGE:3924407 /clone_end=5'	1	GGCCCACTGCTAATGTAACCAATGAT GCCATGTCTGATATTGGAACCATA
6427	Table 3A	NA	101G7	1	GGGGAAGAACAAGATAATCTAGTGAC CTCACCACAGTCTATGCCAGGCC
6428	Table 3A	Hs.179565	minichromosome maintenance deficient (S. cerevisiae) 3 (MCM3), mRNA /cds=(44,2470)	1	AATTCAACTGAAGCGGAGGAATGTTG GTGATGAAGCTGAGATCAGGACTC
6429	Table 1	Hs.119640	hBKLf for basic kruppel like factor (LOC51274), mRNA /cds=(55,1092)	1	CACCTATATCGAAAGTTTGGGCTCAT CTCCATTGGTGGCAAGACCTCC
6430	Table 3A	Hs.215595	guanine nucleotide binding protein (G protein), beta polypeptide 1 (GNB1), mRNA /cds=(280,1302)	1	TGGTGAAAAGTGTGTCTGTCTGACA ATTACACTCAAGTTTACCTCTGGT
6431	Table 1	NA	105A10	1	ACGATAATACTGTTGGTTACTGCCAT AAATATTGGAAGCTAATGTAAATGC A
6432	Table 1	NA	107G11	1	TTCTCTTATAAAGGACAGCAAGTTAA AATGGAGCAAGGAGCATTGGAAA
6433	Table 1	NA	107H8	1	TGGCCAAAGAATAGAAGCTCTAGACC TTCCTTATTTCTATCGTGAAAACA
6434	Table 3A	Hs.64239	DNA sequence from clone RP5- 1174N9 on chromosome 1p34.1-35.3. Contains the gene for a novel protein with IBR domain, a (pseudo?) gene for a novel protein similar to MT1E (metallothionein 1E (functional)), ESTs, STSs, GSSs and two putative CpG islands /cds=(0,2195)	1	ACATGACCTGTGCAGTGTGTGGCTGT GAATTCTGTTGGCTTTGTATGAAA
6435	Table 1	NA	109H9	1	TGACATAACTACCATCCCTGCAACTA ATGAACCCACCCCTCACAGCTTCCT
6436	Table 3A	Hs.80261	enhancer of filamentation 1 (cas-like docking; Crk-associated substrate related) (HEF1), mRNA /cds=(163,2667)	1	GAATGACATAAACCCCTCCGGTCTG AGGTCGGCCTTCCAGCTTGCTCTC
6437	Table 3A	Hs.1422	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog (FGR), mRNA /cds=(147,1736)	1	GCCTTTCTCACTCCATCCCCACCCAA AGTGCTCAGACCTTGTCTAGTTAT

Table 8

6438	Table 3A	Hs.333114	AV713318 cDNA, 5' end /clone=DCAAAC09 /clone_end=5' 129A12	1	TCGTTTTACAACGTCGTGACTGGGAA AACCCTGGCGTTACCCAACCTTAAT
6439	Table 1	NA		1	TGTTTTGTTTTCTGAAACGAAATCCTG CTCTGTTGGCCAGCTAGAACGC
6440	Table 1	NA	129F10	1	CAGAAGCTGGATGACGTTGCTCCATC TTCACCTCTGTTAATGAGACATGAT
6441	Table 3A	NA	137D4	1	CACATCTTCCATTGAGCCCTACCATG AAAACCGTACCTCGGGCGCGACCA
6442	Table 1	NA	142F9	1	AATTTGCTTTAAATTGAGTTTCCTTGC CATTGCACACTCCTATCTTTCTG
6443	Table 3A	Hs.250655	prothymosin, alpha (gene sequence 28) (PTMA), mRNA /cds=(155,487)	1	CAGATGACACGCGCTCTCCACCACC CAACCCAAACCATGAGAATTTGCAA
6444	Table 3A	Hs.249495	heterogeneous nuclear ribonucleoprotein A1 (HNRPA1), transcript variant 2, mRNA /cds=(104,1222)	1	CCCATGCTGTTGATTGCTAAATGTAA CAGTCTGATCGTGACGCTGAATAA
6445	Table 1	NA	149G2	1	GACACAGACAGACCAAGCTATAGTCA GACCTGGTTACACACATACACACA
6446	Table 1	NA	149A11	1	TGGCAAAGATCACTGAAATTTAGGAC ACCAAAGCTAAAACCCCAAATGCT
6447	Table 3A	NA	151F11	1	GCTTGTGCTCGAGACCGCTTGCTATA GAAACGCTGAGCTGCTGGTTTATG
6448	Table 1	NA	162E8	1	CTGGTTAAAAGCCCCATTACTGACCT TCGCCGCCACCACGCTATCACTA
6449	Table 3A	Hs.334330	calmodulin 3 (phosphorylase kinase, delta) (CALM3), mRNA /cds=(123,581)	1	GCATCCACCTCCTTCTCTGTCTCATG TGTGCTCTTCTTCTTCTACAGTA
6450	Table 1	NA	170F7	1	TTAAATCTATCAAGAATTCATCCAAAT TGGTACCCTGCGGGCCGCGCTCG
6451	Table 2	NA	170F9	1	AGTGCTGTATTGACTTTGCTCGGCAG TAGATGAAGCTATTCTGAACCCAA
6452	Table 3A	NA	177A3	1	TGCTGGACAAAGACAATGAGATGATT ATTGGTGGTGGGATGGCTGTTACC
6453	Table 1	NA	331A3	1	GTGGAAAAGTCACTACCAGGCTGGC AGGGAATGGGGCAATCTATTCATAC
6454	Table 1	NA	331A5	1	AAGGGACAGGGGAGCGGGCACAAAAT AAAACCTAGTTTGGTAGAAATTATA
6455	Table 3A	NA	146C3	1	TCAAAGCACTGGAGATGAGAGCCAG GATGGAGCCGAAAAGAATTTACAG
6456	Table 1	NA	146D8	1	CAGGAACATGGCTGCAGCATATAAAA AGAATTGAATTCATACTTTTGTAAAC CCT
6457	Table 3A	Hs.153	ribosomal protein L7 (RPL7), mRNA /cds=(10,756)	1	TTGCCATAACCACGCTTGATAGATTAG TTCATTTACTGACTTCAGATTGGG
6458	Table 1	NA	158G6	1	TTACAGGCAACCGGAGCATCCAATCA CCTTTCTCTAAGAGAGTACCTCGG
6459	Table 1	NA	158H6	1	AAAAGCATCTTCGAGAGGGACTGTCA ATTCTCGACTATTTTCCAACCCGC
6460	Table 3A	Hs.119598	ribosomal protein L3 (RPL3), mRNA /cds=(6,1217)	1	AAGAAGGAGCTTAATGCCAGGAACA GATTTTGCAGTTGGTGGGGTCTCAA
6461	Table 1	NA	158E9	1	AGAGACACCTAAATTACAGATTGTG AGCTGAGAGCTGGAGATTTTCATT
6462	Table 3A	Hs.326249	ribosomal protein L22 (RPL22), mRNA /cds=(51,437)	1	AACAGCAAAGAGATTACGAATTACG TTACTTCCAGATTAAACAGGACGA
6463	Table 3A	Hs.297753	vimentin (VIM), mRNA /cds=(122,1522)	1	AGCGCAAGATAGATTGGAATAGGAA TAAGCTCTAGTCTTAAACAACCGA
6464	Table 3A	NA	155H10	1	GCATGGACAAGATGCCAAGGCCCGG ATGCTTTAGGATGAAGTTCTTATCT
6465	Table 3A	Hs.108124	cDNA: FLJ23088 fis, clone LNG07026 /cds=UNKNOWN	1	CCTCCAGTACCATACACAGGTTACC AGTGTGCAACTTGATGAAATCAGT
6466	Table 1	NA	159F6	1	CCAAACATCTGGACTTGTGACTGTAA AAGGGGAGGAGGTAGCCATGATT
6467	Table 3A	NA	166F3	1	TTATGGTGGTGGGGTGGGTGGTAG TTCAATGGGAGGTATGGGATTTATT
6468	Table 1	NA	166F6	1	AGCTGTCTGGCTCAAAGATCTACATT CTGAAGTTGGCTGGAATGTCTTG
6469	Table 1	Hs.8121	Notch (Drosophila) homolog 2 (NOTCH2), mRNA /cds=(12,7427)	1	CTGGTTCCTACCAGTGCCAGTGCCCT CAGGGCTTCACAGGCCAGTACCTC
6470	Table 2	Hs.25130	cDNA FLJ14923 fis, clone PLACE1008244, weakly similar to VEGETATILE INCOMPATIBILITY PROTEIN HET-E-1 /cds=UNKNOWN	1	TGACACAGACTGTTTCAATCTTGGAG CAGCGACTGACTTTGACAGAAGAT
6471	Table 1	NA	168A9	1	TGCTATTTAAAGCACCATGATAAATAT GAGGCCACTTGGAAATCCATCCA
6472	Table 1	NA	171F11	1	GCAGGCGATGCTCTATAAATCTAAAT GTATCTCTCTTCCCTAAGCTGAA
6473	Table 3A	NA	171G11	1	AAGTAAGACCACCTGTGAATTGATC ATTATCTGGCGCACATAGGAAGAT
6474	Table 1	NA	175D1	1	GCTGGGGCTGGGAATTGCGTGGGGCT AATGTGTCATTTGACTTAAGAACT
6475	Table 1	NA	182H1	1	TTTGGGAAGAACCGATTGCTAAATTA TGCTTAATTCATGTCAAGAAGAGGG

Table 8

6476	Table 3A	NA	184B5	1	AAGCAGTATACCATTTATATAGCAAA CAGCCAGTGGCCAGTTCACGTAT
6477	Table 3A	NA	184D2	1	CTGCCCTTTGGTAGTGAGAGGACCA CGCCAATGATGCTTTTAAGTAACCT
6478	Table 1	NA	184H1	1	CATTTCTTCATCTCTAAGGCACACTT GCTACCCCTCTTTGCTGACCCAG
6479	Table 1	NA	46D1	1	GCCTGCGTGTCTGCTCAGTGTTC TGGTCCTCCTCTAAGTACTCTAAA
6480	Table 1	NA	98C1	1	AATCCTAGACATGTGCTTGTCAATTGC TCCCATGAAGGTAGTTTTCAAACA
6481	Table 1	NA	98C3	1	ACCAATAGAGAAGAAGCTCTAGAAGA CAAAATCCCAACCTTGGCACAAA
6482	Table 2	Hs.205442	601439689F1 cDNA, 5' end /clone=IMAGE:3924407 /clone_end=5'	1	GGCTTCAACGAAACATCAAATGCCA AGACCAGTGAGAGAGCGTCAAAAA
6483	Table 1	NA	98H4	1	GCAAGCCCACTAAAAATAACATCTAA CCAGCATCTTTCCCCCATATTAGG
6484	Table 1	Hs.169363	GLE1 (yeast homolog)-like, RNA export mediator (GLE1L), mRNA /cds=(87,2066)	1	ATGGATCTGTTCCTCTGTGCTAAATG TCTTGTGGCAGGGTGTGTTGTGG
6485	Table 3A	NA	113F12	1	GCCGTAATGTCTCGGGATCTCTAATA ATAGAGGAGGTGAGTTGTGGTGTG
6486	Table 1	Hs.30212	thyroid receptor interacting protein 15 (TRIP15), mRNA /cds=(15,1346)	1	AGGCACTCCTCAACCAGTGTCACTG AATTCAACTGCTGAAATTGTAACA
6487	Table 3A	NA	173A10	1	AGAGAGGGTTTTAAGGAGGGGCTTG TGAATACTTGGGAGAATACGGAAGG
6488	Table 3A	Hs.334853	hypothetical protein FLJ23544 (FLJ23544), mRNA /cds=(125,517)	1	ATGAATTTGAAGACATGGTGGCTGAA AAGCGGCTCATCCAGATGGCTGT
6489	Table 3A	Hs.20252	DNA sequence from clone RP4- 646B12 on chromosome 1q42.11-42.3. Contains an FTH1 (ferritin, heavy polypeptide 1) (FTHL6) pseudogene, the gene for a novel Ras family protein, ESTs, STSs, GSSs and a putative CpG island /cds=(0,776)	1	TTCCACAGATAGGTAAAGCCAGGCGC GGCAAGATGAGACTGTATTAGTTA
6490	Table 1	NA	174D1	1	TCTTGTCTAGTCATTGTGGCAACCC CATCTGACACCTTGTGTAGTACCT
6491	Table 1	NA	45B9	1	TTCTGGCAAGCTCTTGTCACTGGTGT CGACACTTCCTTCTGTCTTCTTGG
6492	Table 1	NA	45H8	1	TTTCAACATGGCTAGATCCATCAGAA ACTGAAGCGGGGAGAAAGCTCTC
6493	Table 1	NA	111H6	1	GGTACTCAAAGGAAATTACTCTTTCT CTGGAACCTGGCAGAAAGTTTAA
6494	Table 1	NA	111E12	1	ATCCTTCCTACCTTTTATTATGAAAGT TTTGGTACCTGGCCCGCGAGCG
6495	Table 1	NA	111H11	1	ATTAAGGTTTTTAACATCTACTTTGGG TGATGAGCCTTCAATGAAGTCA
6496	Table 1	NA	112H3	1	GAAAGACTACGAATTCGCTGGGAG GTAATAGGGAAGCCTTCCACATAAA
6497	Table 1	NA	112E9	1	AAATGAGGTGAGCAATAACCTTGATT CGGTCCCTCCACTGGCAACATTTTA
6498	Table 1	NA	114G3	1	CTTCTCTCCTGTAAACAGGCAGTGT GTGGGCGGGGCTCAGAACATATCT
6499	Table 1	NA	117H6	1	GTGCCCCTGATCTGGAATCCTGTTG CTTCTCTGGGATGAAGGAACCTC
6500	Table 1	NA	165E7	1	TAAGATAACCCACAGGCATTCCTGT CATAAAGCCAACGACACAGACCAG
6501	Table 1	NA	165E11	1	ATGGGAACAGGATGTTAAATACACAC ATACATACGCACACAAGCGTTGGG
6502	Table 1	NA	165F7	1	CCTCTGCTATCACTAGAGAATGTAGA GAATGGAATGGCTGCCTTTATGC
6503	Table 1	NA	176A6	1	GATACAGATGTGATTATTCAGCCTCA AGGGGACTTCTCCATTGCGTAACG
6504	Table 1	NA	176G2	1	TTATTGTTACCAATTAGAATCAGCAAT TCAACTGTGCGGTGATTGGCCT
6505	Table 1	NA	176E10	1	TCATCACTTGGGTAACTAAAGGTTT GCGTATCACACAATTACACTACAA
6506	Table 3A	NA	176F11	1	TTCATAGTCAAACAAAAGGTAAGATC ATGCATATACCCACGGCAACAAGG
6507	Table 1	Hs.232400	heterogeneous nuclear ribonucleoprotein A2/B1 (HNRPA2B1), transcript variant B1, mRNA /cds=(169,1230)	1	CCCACCCCTTCCCCTCCATGTGAAG ATTTGGGTGCTTAACATATCATTT
6508	Table 1	NA	71F2	1	GGGAGACATGCTGATTCCACTCAAAG ATCTCATAATAAACAGCTTTGGCC
6509	Table 1	Hs.172028	a disintegrin and metalloproteinase domain 10 (ADAM10), mRNA /cds=(469,2715)	1	AAATAAATTTGGAATGGGACATTGTG CTGTTTACCTTCAATGCTGTAA

Table 8

6510	Table 1	Hs.180610	splicing factor proline/glutamine rich (polypyrimidine tract-binding protein-associated) (SFPQ), mRNA /cds=(85,2208) 124G4	1	AGAACAGTCTTGGGTTCCAGGGGTGT GATGCCAGAATGTATTTTCGTACCT
6511	Table 1	NA	124C8	1	AAGGCCGAAGTCAATCCCATCTCCCTG AACCCAACTGCCAGTAGGTAGTTT
6512	Table 1	NA	124F9	1	AGTTAACTGTTGGTGAGGTAGTGTG TCAGGTAAGTCTGTATATTAGCTCT
6513	Table 1	NA	127A12	1	ACTGGATAAACAGAACGGATCAAAGA TAAAGTATTTCTTGTTCCTGGGC
6514	Table 3A	NA	601652275F1 cDNA, 5' end /clone=IMAGE:3935610 /clone_end=5'	1	GTCCCTTAGGGGAGGGAGAGTTGTC CTCTTTGCCACAGTCTACCCTCAG
6515	Table 1	Hs.50180	161E8	1	ACTGGACTACTGAACTTTAGAATACT GTCCTAAGGAAATAGGTCTGGGCA
6516	Table 1	NA	186E8	1	CAAACAACAAAAGTGGCCTCCATCGC TGTGAGCCTCTCAAGGGACAGGGC
6517	Table 1	NA	191F6	1	AAGGTGGCTGGCTTTTATGATACAGT GGTGGTAATGTAGCCCTTTTGGT
6518	Table 2	NA	193G3	1	TGCTCAATTGCCATACATGCACTATA GGCCGGGATAGAAAATCGTCAGCT
6519	Table 3A	NA	194C2	1	TTCAAGGATGTGACTGATATCTGGTG TGGTTTATTTTGTGTTTGGGG
6520	Table 1	NA	458C6	1	AGCTTTGGAAATTTGAACAAGGTGGG GACAAAATCAGGCAATAACAGACT
6521	db mining	NA	458E4	1	CACCTCCTGAGTGTTTCTGAGAACA AAGGATCAGAGCTTCGGCTGTGAG
6522	Table 1	NA	458G10	1	TTTTCTTTTCGCTGACTTTCCCACTC ACTGTCTGTCTCTCATTTTCTCT
6523	Table 1	NA	459B3	1	GCATGGGAATTGGCTGTCACTACTCA TAGCACGGTGTATAAATCAAGGA
6524	Table 1	NA	459D2	1	GTCCACTCAAGTTACCTGGCTGTCTA TCTTTTGGCTGACCCCTGAAGCGA
6525	Table 1	NA	459E6	1	CTAAGTAAGCAAAGAGGCAGAGGGG AGGAGGGGAGTGTTTGGTACTGTCC
6526	Table 1	NA	DNA sequence from cosmid ICK0721Q on chromosome 6. Contains a 60S Ribosomal Protein L35A LIKE pseudogene, a gene coding for a 60S Ribosomal Protein L12 LIKE protein in an intron of the HSET gene coding for a Kinesin related protein, the PHF1 (PHF2) gene coding for alternative splice products PHD finger proteins 1 and 2, the gene coding for five different alternatively spliced mRNAs coding for a protein similar to CYTA (CYCY) and identical to a polypeptide coded for by a known patented cDNA, and the first two exons of the gene coding for the homolog of the rat synaptic ras GTPase- activating protein p135 SynGAP. Contains three predicted CpG islands, ESTs and an STS /cds=(163,2184)	1	TGGTGCGGTGTTTCATGATTATTATGC AGGGTGGAGTTTCAGTATTTGGTC
6527	Table 3A	Hs.20830	460D5	1	AGCACATTTGTGCAGAAAGGTTTTC AGGTATCTGAGGCACTGCTCACCT
6528	Table 3A	NA	460B9	1	AGAACAACACGGGATTGAAGTGGGA AGAGATGGGACCCCTCATTGGATCTG
6529	Table 1	NA	461A4	1	GGAACAATAGACCTCTTCACTAGCTC CCTGCTGTTTATGAGTTTGGTTGG
6530	Table 3A	NA	461G6	1	AGAGGATGACTTTGAGGTAAATGTTT ACGATGCACGGTTTATAGCGATGT
6531	Table 1	NA	461D9	1	GTGTCTCTGGGAGTGAGGAGAGGTG GAGTAGACTCTGAGAGGAGTGAAAA
6532	Table 1	NA	chloride channel 7 (CLCN7), mRNA /cds=(38,2455) 461H7	1	AGATCATGTCTGGATTGTGTTTCCTA TTACCTAGAGACGAACACAGATCT
6533	Table 3A	Hs.80768	463A5	1	GTGTCCCAGGACGAGCGGGAGTGCA CCATGGACCTCTCCGAGTTCATGAA
6534	Table 1	NA	small inducible cytokine subfamily E, member 1 (endothelial monocyte- activating) (SCYE1), mRNA /cds=(49,987) 463B2	1	TGTATGGCTTATAGCCAGAGATGAAA CAGAACCAAGTTAATATTGCCAG
6535	Table 1	Hs.333513	463B2	1	AGGTTTCAGAACTCTGGGCCTTACCTT TACAGGTTCAACAAAAGATGGCA
6536	Table 1	NA	AAGATGAGGCGTAGCTCATGTACAAA TGCAGCATTCTCATAAGTGCTTTA	1	
6537	Table 1	NA	AGATAGTGGTATTTGGGTGCTGGGCT TGTCTGAAGTGGAGGTGGGTGC	1	

Table 8

6538	Table 1	NA	463C5	1	CCTTGCCACCAGACGACTGACATAT ATAGATGGGAGTCACTCATGCGCT
6539	Table 3A	Hs.40919	hypothetical protein FLJ14511 (FLJ14511), mRNA /cds=(22,1272)	1	GGTGTAGCGTGAAGATCTGGACAGC GCACTACGACCCGGGCCACTGTTTC
6540	Table 1	NA	463H5	1	AGAAGCAAACCTGTGAAGCTACTATC GTTTATCATCAGTGTGAATGCACT
6541	Table 1	NA	463A7	1	TAGTGATACAATTTGGGGTGCCAGAG GTTGGGGGTAAGGAATTTTGAAGC
6542	Table 1	NA	463B10	1	GTGTGGCCTAAGGAACACCTCTTGTG GGGAGTAAGAGCCAGCCCTTCCTC
6543	Table 1	NA	463C7	1	AGATGCGGGCGCAAGCTTATGTCCT GTTATGAGGGTTTAAATTAGATTGG
6544	Table 1	NA	463F10	1	TCATAACGCCCTTCAAAACATTGAAT AAAATCAGTGCAAAACATTGAGCA
6545	Table 1	NA	464C2	1	TGAGAAAGGAGTTAGCAGAATATTAA CATACCGAGAAGCTGTTGTTAGCA
6546	Table 1	NA	464C5	1	CTGGAGACTCAGGTCGCTTAAGTGG AGGGGACGGGCACAGCCATTCTCC
6547	Table 1	NA	464C10	1	AAAGACCTGCCACTTATTTTGGCTC TCATCTGTACTCTTAAGTGTGTGT
6548	Table 1	NA	464D8	1	AGACACAGCTGCAGAAAACCTATTCT TTTCAAGCATGCACAGTCACAAAA
6549	Table 1	Hs.221695	7k30d01.x1 cDNA, 3' end /clone=IMAGE:3476785 /clone_end=3'	1	CATTCAACAACACAAACCGAGCACCT ACTGTGTGCCACGCCACAGACAAG
6550	Table 1	NA	464E7	1	CCTAGGAAACACAGGTCAAAGAAACA CAGTCCAACATGTATTTCAGAATTC
6551	Table 1	NA	464H12	1	AAACGCAATCTATTTTAGGTTTGAGAT TAGAAGCTGAGGCCAAGGACTCA
6552	Table 2	NA	465B3	1	TCCTCCAGATGCATGGTCCGTGAAGA AATTTAATAGCAAAGACGAGAAGA
6553	Table 1	NA	465G2	1	GGCTCTCATGCTTATGCCACACATCC TTGATTCTGCTTAGGAGTCTCTGG
6554	Table 1	NA	465H5	1	AAGCCTGAGCTAACAGAGCTGAGG ACAGTAGCTTATTCCTCTTTATGGG
6555	Table 1	NA	465A12	1	TGGATGATGGGATTGGATAAGCATGT GGACTGGATTGTGTACAACTCT
6556	Table 1	NA	465F7	1	TGCTGTTTCTAGGATTACACGAAAT CATCACTTTGCCATATTTTGAGCT
6557	Table 1	NA	465G8	1	GGCTCAGCACAAAAGAGAAATTCGTAG CACTTTTATGTGAAAGCAGACCCA
6558	Table 1	NA	465H10	1	GATATTAAGGTACTTTTCAGTACAAATC TGGTCTGTGAGTGGGCTCATCC
6559	Table 3A	Hs.136309	DNA sequence from clone RP4- 612B15 on chromosome 1p22.2-31.1. Contains the (possibly pseudo) gene for a novel protein similar to 60S ribosomal protein L17 (RPL17), the gene for CGI- 61, endophilin B1 and KIAA0491, ESTs, STSs, GSSs and two CpG islands /cds=(1011,1406)	1	TCCAGTTTCTCATAAACAAATCTTCT ATCCTGGCATTTGGATTGGGTT
6560	Table 1	NA	515C12	1	TCATGGTCATAGCTGTAACCTGTGTG AAATAGTAATCAGATCAAAAAGCG
6561	Table 1	NA	515H10	1	ATATGTACCTGGAGGGCGGACGATC GAAATTACTAGTGAATTAGCGGCAG
6562	Table 1	NA	55G3	1	TGCGAGTGTAATTTCTGTAAGGAGGG TATGGGATAATTAAATAGCACGCCT
6563	Table 1	NA	55F9	1	GCCCCCAGCATTCAATTCATTTTGTA CCCTTAGTTTAAAGAACTTCTCCC
6564	Table 3A	NA	99E7	1	AACTTTGCTTTCTGAAGGTTTTGGTG TACCTCGGGCGCGAACACGCTAAT
6565	Table 1	Hs.319825	602021477F1 cDNA, 5' end /clone=IMAGE:4156915 /clone_end=5'	1	ATTGACTCCACTTTGTGCCAAGCTCT GCGGGTAGGCATATTTTCATATCTT
6566	Table 1	Hs.17481	mRNA; cDNA DKFZp434G2415 (from clone DKFZp434G2415) /cds=UNKNOWN	1	CAGTGGAGAAGCTGCACTGTCTCCG GGCTTGTTGATCCGATCTCTGTAC
6567	Table 1	NA	116C9	1	AGCTTTGAAAGTAATGTCTAACCCCTG CTGTCAGTTTATCACAAGTGCATT
6568	Table 1	NA	128F5	1	AGCTTAATTGAATTTGAGGAGCACC AACAGGCAGTTTCTGAGCAGTGG
6569	Table 1	NA	135F10	1	GCTCTCACTGATCTCTCTCTCTATCT CTTTCTGCAGTTATACCAGCACT
6570	Table 1	NA	189F3	1	TGAGAAGAGCTGTGAAGGCAGAGGC GGGGCAAGTGCAAGGTCCTGACTT
6571	Table 1	NA	189A8	1	AACTCCCTGTTCAAGTTCAGTTGCTAA TGATCTCAAGCTCTTCCCTGATTA
6572	Table 1	NA	195H12	1	CAGCCTAATGCCTAACACACAGATA CCATTGGTGGGCGACGTGACCCAG

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6573	Table 1	Hs.292457	Homo sapiens, clone MGC:16362 IMAGE:3927795, mRNA, complete cds /cds=(498,635) 466C4	1	CACCATCTTTTGCTCGGATACTAGCC CGCAATACCCACTCACCTACCACC
6574	Table 3A	NA	466D1	1	AGGGTCTCCACCTTACAGAAGTACAT GAACAACCAGAGATAGCAGGGCTG
6575	Table 1	NA	466D1	1	ACCAGGAAAAAGTAAAAATCATAGTTG GTGTCTCTCGGGTTTCTCACCTTC
6576	Table 1	NA	466G2	1	ATGTATGAGAGAGATTGAGATGAGT TAAAGGAGGGAAGGGAGGGGTGGT
6577	Table 1	NA	466H5	1	CATGAGTATTGGCACTGGGGTTCAAG TTCCAGGGCAGAGCAGGATAAGAG
6578	Table 1	NA	466B7	1	CTCCTGGGGCTGGAGTCTGGTCTG CCTTCTGGGGACAGAGATTAGGTG
6579	Table 2	NA	466B10	1	TGGAACCTTCAGTCAAAAACATCTGTA CTTTGTACAGGACAAAGATTGGC
6580	Table 1	NA	466C9	1	ATAGAACTTGTTTTACCTATGACCTT GCCTTGATTTATTCACCTGTGGC
6581	Table 1	Hs.7187	mRNA for KIAA1757 protein, partial cds /cds=(347,4576) 121F1	1	ACATCTCTTGTAAGATTCAAATGTTA CAGCAAGGTGTAAACACTCCACT
6582	Table 1	NA	121F1	1	GGGTGAATTAATCGGGAGATGGGTA GTCAGGGCAAATGATGGGTGGGTTT
6583	Table 1	NA	121A11	1	TGCAATTGTGGAGACAAATTGTTAGA GTTTAAATCCTGGCTCTGTTCCCT
6584	Table 3A	NA	121F8	1	GGACCTATGTCCTCAAGACATGGAAA CTACTAGTTCTGTCTGCCAGGAG
6585	Table 1	NA	178B2	1	AATTAAGGATGCCCTACCGACATCTA TCAGCATACCTGGAACAGGTTTCA
6586	Table 3A	NA	178B5	1	CGGCCAACCCAGGAGGGGCAGGTGTT TTGGGCATCTGGTTTATAGTACCTC
6587	Table 1	NA	178F5	1	GCTGGGGTGAAAACCTTGAAGACTCA GACCTCAGTGGAACAGATGAATGT
6588	Table 1	NA	178C12	1	CCCCAGGCTCTGTGACGCTTGAAATT CTAATTAGCGCAGAAAAGGGCTAA
6589	Table 1	NA	462A11	1	CCTGACTACGTGTTTTCCCCACAGAC ATCACACTGGTTCACCTCGTTGAA
6590	Table 1	Hs.13231	od15d12.s1 cDNA /clone=IMAGE:1368023 462D9	1	AATGGAAAGACACTTCTGTATACACT GGAAATCTCAGGAAATTTCTTTTTCC
6591	Table 1	NA	462D9	1	GACAGTACAGTACCCTAAGAGCACTG AGGAGGGCCACCCACGTGAACCT
6592	Table 1	NA	462E8	1	TTTCCTTGAGATTTTCAGGCATCTTA GGCCGGAAGGGACCTCGAAGGTGG
6593	Table 1	NA	462F9	1	CTCCGCTTCTTTCACTCATTCGTTTAG TGTTTCTTTAAGCTTTGCCTTGT
6594	Table 1	NA	462F11	1	TCCACATTTTGATCATGCTTTATGAA AGCCCTGGGTTTGTATTGAGAA
6595	Table 1	NA	462G12	1	GCTATCTTCTGCTGAATCAGCGTAAT GCTGATATACACCTATTTTCTGT
6596	Table 1	NA	462H9	1	AAAAGAAAAGTTTTCAACCCAGGGA ATTTATAGTGGGTGTGAGTCGAGA
6597	Table 1	NA	472B1	1	AGGAGACGATGTAGGGGGAAGTGTG TTAGATTGTAATGGAGGGGTTTGGA
6598	Table 1	NA	472C1	1	GCTCTTTCCAGACCCAGCCGCCAG GTTCTCTGTAGAAGAAAATAATGC
6599	Table 1	NA	472E6	1	AAGGAGGAATGGGAATCTCAAGCTCA AGGGCACTCTCACTAATTGTGGGT
6600	Table 1	NA	472F4	1	AAATAGCCACCTTCTCCCCATTTTCT GTCAGAACACACACTTTATATCCA
6601	Table 1	NA	472G2	1	TTTGGTAAAAGAGATTGGAGGGGACA CCAGGGAAACCAGGATTTTCTGGC
6602	Table 1	NA	472D7	1	AAGTGCTAAGGCATTCTCTAACTAT CTTTCCAGCTCCGGGCGACAATGG
6603	Table 1	NA	472G12	1	CCACTCTCTAAGTCAAGCGAGTCCTT CCTGCATACCTGTACTGGGTGCTG
6604	Table 1	Hs.75354	mRNA for KIAA0219 gene, partial cds /cds=(0,7239) 64G9	1	GGACTTTGCAGGCTTCATTCCCTGTC TGTGCTCTTTTCTCTGCTGTGTT
6605	Table 2	NA	64G9	1	ATTTGCTGGCCAATCCTGCTGACTAT GAATCTTTGGGGGCACTGAGTTAC
6606	Table 1	NA	467E5	1	CTGGGGTACTGGGGAAGGAAGTGA GTATTGAGATTTTATTTGGGGCG
6607	Table 1	NA	467A8	1	TTGAGTAAGGCTCAGAGTTGCAGATG AGGTGCAGAGAACATCCTGTGACT
6608	Table 1	NA	467C9	1	GGTCACAGAGAGAAATGGTAGCTGA AGAAGCAGGGCACGAGGGCTCTAAC
6609	Table 3A	NA	467F8	1	TTTCCGGTATATTCTGTGGGTTGAC TTTTTGTGTGTGGTTGTGGTGG
6610	Table 1	NA	468E6	1	GGATCTCTTGCTCCTCTCACCTGTGT GACAGACTACTAACAGCCCACTG

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6611	Table 1	NA	468B9	1	ACAGTGTGGGACAGAAGAGTGCTCA
6612	Table 1	NA	468E10	1	GTGATTAAATGCCTGATAATAGATT
6613	Table 1	NA	468F10	1	CTCTCTCGCAATTTACAACCGCTTTC
6614	Table 1	NA	468F11	1	AGTACCATTACCGTCACTCCTCT
6615	Table 1	NA	468G12	1	CTTTGGGGAGTGGAGTTGTTGTAGAT
6616	Table 1	NA	468H11	1	GGGGAGAGAATCAGAACAAAGGAGA
6617	Table 1	NA	469B6	1	CCTTACTGCTTACGGTCATCGGTCAT
6618	Table 1	NA	469D2	1	CAGCCCAACCCGCTTGGTTAGGTG
6619	Table 1	NA	469A10	1	AGAGTATAATTTCCCCAGTGTGGAGT
6620	Table 1	NA	469E12	1	GGTTAGTGTGCTAAAGAAGAGGT
6621	Table 1	NA	469F8	1	CTGATGTCGTGTCTGCACTCACCTGG
6622	Table 1	NA	469G8	1	TCATGTGTTCTGTTGTGCGGTAGT
6623	Table 1	NA	470B2	1	AGGGGCAGAGAAGAATCCACACTCA
6624	Table 1	Hs.118174	tetratricopeptide repeat domain 3 (TTC3), mRNA /cds=(2082,7460)	1	CAAGAGATGACCAGGAGTAAAACTG
6625	Table 1	NA	470C3	1	CCCAGCAGAGGCCAACAGCAGCCA
6626	Table 1	NA	470D5	1	TACCCAACTTCAGCCAAAAATAAAA
6627	Table 1	NA	470E1	1	TGTGCAATACGGCGAGAGAAGTG
6628	Table 1	NA	470E5	1	CATGAGAAAGTGCTTTATAAGCTGT
6629	Table 1	NA	470F3	1	CCAGCTTTTCCTTTGATGTTAGTTAG
6630	Table 1	NA	470G6	1	CAGTAAGTCACAGGTTTGAGCCCC
6631	Table 1	NA	470B8	1	GGCAGGCATCCTCATTCTGCATGCT
6632	Table 1	NA	470G10	1	CTTAGAATATCTATCAATGATCAT
6633	Table 1	NA	471D6	1	ACTTCTATACTCAGTGCCTGTGGGT
6634	Table 1	NA	471F1	1	AACCAAGCAAGCAGGTTTGTGTC
6635	Table 1	NA	471F4	1	GCGGGATGGTGGGAAGACAGACACT
6636	Table 1	NA	471F6	1	GCCTTAGAGCATGAATAATTGAAGA
6637	Table 1	NA	471E9	1	AGGTAGACTATTTAGCTGGAAGCATC
6638	Table 1	NA	471E11	1	CAAACAGGGGATTTTAAAAATACTCA
6639	Table 1	NA	471H11	1	AAAATGTAGGTTAAACTCTCACTTAA
6640	Table 1	NA	473E4	1	GAAGGAGAAGATCTGAGTAAACCCA
6641	Table 1	NA	473F3	1	ACCTGAACAATGAATGAAGAAAGGAA
6642	Table 1	NA	473E11	1	GACTTGTTCTTCTAGCTCTGGAC
6643	Table 1	NA	476C1	1	CATGGCTCACAGCTCTAACACTCCC
6644	Table 1	NA	476D3	1	CTCCCTCCAGATCCTAAGAAGAAG
6645	Table 1	NA	476F5	1	TCTGAGCTTCACTTCAAGAAGCTGGTA
6646	Table 1	NA	476G3	1	GTCCAAAAGAACTGGTTCGTTTCAG
6647	Table 2	NA	476G4	1	ACTTCACTCACTTTTAGCCTGTTTCAT
6648	Table 1	NA	476A10	1	ATGAGCTTGTCACTGCTTTTGT
6649	Table 1	NA	476G8	1	TGAGGAGGATGGGAGGCGCACAGGC
6650	Table 1	NA	476H10	1	AATTTAGCTAGATATAGAAAGAGAA

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6651	Table 2	NA	477E1	1	TTTGCTGGGACTAAAATCAAACTGC
6652	Table 1	NA	477E6	1	ACTGCAGAGCAGGTGAGGGTTCAT
6653	Table 2	NA	477A11	1	TGGAGAGTGTGTGATTACCATTTTT
6654	Table 1	NA	477D9	1	TACATTGCATCACATTTTACCATCTAT
6655	Table 1	NA	477D10	1	ATCT
6656	Table 2	NA	480A3	1	TTTGAAGCCCCTCATAGAGAAGAGAC
6657	Table 1	NA	480B5	1	TGTACCATAAGAGAAGCCCACTCA
6658	Table 1	NA	480D2	1	AACTCTCAGTCCATGAGCTTGATTAC
6659	Table 1	NA	480E2	1	TCCATTGTACCATTTGGAAGCCCA
6660	Table 1	NA	480E3	1	GTGGGTAGCCATTAAAGTGGTCTGGC
6661	Table 1	NA	480F3	1	ACAGAAAGGGACAAGTAGCTTCAAG
6662	Table 1	NA	480G4	1	CTGGTGCTGAGTGGAGTACAGTAA
6663	Table 1	NA	480C8	1	GGCTGTAGATGGAGCGCCCTGGGAA
6664	Table 1	NA	480D9	1	TTTTGATGTGACCACTCGTGCATGGC
6665	Table 1	NA	480E7	1	GGGGGACAGGAGCTTAGGGGGAAT
6666	Table 1	NA	480E11	1	ATTATGCATGTGAGGGGACAACCTTT
6667	Table 1	NA	480F8	1	TATTAACAGAGGGGTGTGTCTT
6668	Table 1	NA	487F11	1	TGGTCATGTTTCCCTCTTTACTCCAC
6669	Table 3A	NA	499G1	1	GACAGTTTCATTATTGTAACCAGG
6670	Table 1	NA	518F10	1	TTCTGTTGGTTATATGAATGGCAGTT
6671	Table 3A	NA	524A12	1	ATTGTCTCCCAGTGTGTGGGTTCT
6672	Table 1	NA	526B9	1	AGTCTGGCAACTTTACCTGGGAATT
6673	Table 1	NA	583B5	1	GTCTGTAATCTTTAAGCAGTGGCG
6674	Table 1	NA	583D6	1	AGGACTTATCTAGCTTTCACAGATTC
6675	Table 1	NA	583G8	1	AGAGTGCCTTTCAAACATCATTGT
6676	Table 3A	NA	584A1	1	TTTAACAGGCTTATCTAGGACATAGG
6677	Table 1	NA	584D3	1	CCCAAGAGGGAGGAGGAGGAAGGC
6678	Table 3A	NA	DNA sequence from clone RP4-620E11 on chromosome 20q11.2-12 Contains t	1	CTCCAGGCCGAACGAGCCTCCACTC
6679	Table 3A	NA	591H9	1	TGGATTAAGATCTGTCATCTTGACA
6680	Table 3A	Hs.6179	DNA sequence from clone RP3-434P1 on chromosome 22 Contains the KCNJ4 gene for inwardly rectifying potassium channel J4 (hippocampal inward rectifier, HIR, HRK1, HIRK2, KIR2.3), the KDELR3 gene for KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3, the DDX17 gene for DEAD/H (Asp-Glu- Ala-Asp/His) box polypeptide 17 (72kD), ESTs, STSs, GSSs and six putative CpG islands /cds=(307,2259) 602388170F1 cDNA, 5' end /clone=IMAGE:4517129 /clone_end=5'	1	GCAGGACTTGTGGCAGACTCAACG
6681	Table 1	Hs.44577	591H9	1	GGAGAGAAAGAGGCTGAAACATAAA
6682	Table 3A	Hs.108124	cDNA: FLJ23088 fis, clone LNG07026 /cds=UNKNOWN	1	AAGAACATCCCACTTTTCCGGTAGG
6683	Table 1	NA	119F12	1	CAAGTGTCAAGTCACCTGGACAAT
6684	Table 1	NA	119G10	1	TCTGTGGCTTGTGTGGGACCCTGC
				1	GCCCTTTAAATTAGGGCATATTTTA
				1	GCGCTAAAAACCTGGTGATTAAATGA
				1	CAAACAGAACGTGAGAAGAGATTT
				1	TCCTGCACACAACAATAAAGACAAG
				1	AATAAAGGGCCACCCATCAGTAGC
				1	ATGTTGTTCAAATTAACATCATACCA
				1	CATGGGGGCAGCTACCAATTTTT
				1	TAATATGAAAAGCTGGAAAAGAATTA
				1	AGGGGTTGAGGAGACGTGCCGGGT
				1	GTTACCCTGACGAATGCAGTCCCTCGT
				1	GTGGAATGTCTATGCCCTCTTGAG
				1	ACACCAGCAGTCATAGGGGAAAGGG
				1	GAATACAGTTAATTGGGTATTTGTT
				1	ACTCCCTCCCCTCTCTGGTCTTTAGT
				1	TGGAAGCAAGCTTTCGGACAACGG
				1	TCCAACAAGGGTTACGGCAGAATTTA
				1	TGCGAAAGTCTTCTTTGGGCTAAA
				1	TTGTTCTGCTCAGGCCAAGGATTGTT
				1	GTGTGCTCTGATTTTGTCTTTG
				1	GGCCCCGCATGTCTTCTGTTTGTGAG
				1	TCCTCATCCAATCCATCTTCATAT
				1	GTGGGTTTTAGACACCTGCAGCAAG
				1	AAGAAATACTGACTGACTAGGCAT
				1	TTTTAAAGAAAAATCTATTATCTTGA
				1	GCATGGATGGGGGAATGCGAAGG
				1	CAGAAAGAAACATGGCAAACCTGCTCTG
				1	TGCTTTCAAACCAAGTGTCCCC
				1	GTTACTTAAGATCAGTATGTGTGGTG
				1	CATATGTGATTTTCGACCATTTCAGT
				1	GAGAAATTTCCGTCTGATCTATGACAC
				1	CAAGGGTCCGCTTTGCTGTACCTCG
				1	CTGGGTAAATACTACCAACTTTGAG
				1	AAGGTTGGTCTCTGCTCTTCTGTA
				1	GGAAAGACAGGTGAGTGTGCCACAA
				1	CTACCTAACACATCAGCAATCTGG

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6685	Table 1	NA			485A6	1	GTCACCTTTAGCGAGCGGGAAAAACAAT GGCGGAAAGGGAAAAACCTGGAAAG
6686	Table 1	NA			485D5	1	CGATAAGCTGTGGTGTGGGAGTGA GAGATGTTACTTTGCGAATGTTCAA
6687	Table 1	NA			489H9	1	AAAGGCTAGGTTTGCGAAAGCCCTTC TAAAACTATGCTTTGGTGGTTACT
6688	Table 2	NA			494B11	1	CTGACCCTGCCGGGCGGAAGATAAA ACAAAACGAGAAGAACAAGCAAGA
6689	Table 1	NA			478E5	1	AAGATTGTAAAAATACATTTTAGGCTC AAGAGTTCAGGGGTTTCAGAGC
6690	Table 1	NA			478G6	1	TGCAAGCTGGCACCTTCACGTTTATT TTTAAAGGGCTTCACATCAAAGAT
6691	Table 3A	NA			478H3	1	AAACAAAGAAGGAAAATGAAGAGGG GGAAAAGATGAACATCAGGCTGGGT
6692	Table 1	NA			478C7	1	TCCAAGGATGTTCTGGTGTGCAGC ATGATTTCTGGTGTAGTCTTTCT
6693	Table 1	NA			478G8	1	TTTGTGGGTGCGTGAGAGGGGATTTA TACTCCTTGAGCCATATTTTGTGA
6694	Table 1	NA			478H7	1	GGGTTACAGCATGGGTGGAGGTAA GTAGTATTCTCATTGGTTGGTTAGT
6695	Table 3A	NA			479B4	1	GACAGTGAGAAGAATATGGAGTAGA GTCCTTTTGGTCTTTGAGCGGGTCA
6696	Table 1	NA			479D2	1	AACAGCTGAAGAACAAGAAGGTGAG CTCTGAATGCGCTCAGGTGGTCATTG
6697	Table 1	NA			479G2	1	GGCTGACCAGTACAGGCTTGGGAAT TTTATGGTTGGGTGGTTTCTACCAA
6698	Table 1	NA			479G3	1	GGGGGAGCTATATTACTGATTAAAAAC CACCATTTCCTCACCCACTTTATG
6699	Table 1	NA			479G5	1	AAGTCTTGATTATTGAGGTACTGGGG CTCTGGGGGATATTGAGATGAGAA
6700	Table 1	NA			479G6	1	AGTCCTGCTGAATCATTGGTTTATAG AAGACTATCTGGAGGGCCTGATAG
6701	Table 1	NA			479H4	1	GGAGCTTCCAGTCTAATAGAAAAGAT GCACTTACGAATAGACTTTGGGTA
6702	Table 1	NA			479H5	1	TCTGTGCTCTGTGGACCCGTCACCCT GAGCTCCTCAGTTGCTGAACCATC
6703	Table 1	NA			479H6	1	TGCTGGCATGTGGATAGACTTTAGCA AATGGTAGTCATCTTCTAATTTCT
6704	Table 1	NA			479G12	1	AATGGGAATCTTAAGGCCTCTCTGGA AAGGGTGTGAGGGGGTCGAGGGGG
6705	Table 1	NA			479H12	1	TGCATATTGTCACTGACTGGCTAGGG TCTCTAAATTTATGAAACCTTACA
6706	Table 1	NA			482A5	1	GTCAAGCACTAAAAAGGGAGATATAT CTTAGAGAGACTGGAATAAGCAACTC
6707	Table 3A	NA			483G5	1	GGAAGGACTCAAACCTGGCCATAAAG GCAATACGGCATGTTTCATTACACCA
6708	Table 1	NA			486C4	1	TTTGTTGACTATGAAATAGTGGTCCT GGTTTTAACTCTTTGGGGTTCCCT
6709	Table 1	NA			490F10	1	AATTATATTTTAGGCTGATGTGGGTG GTCTGTAATGCTCTCATTTACCAC
6710	Table 1	NA			493C2	1	CTGTGTTTCTGTATGGTATTGCATTTG TCCCGGCTGTTGGGTTTGGTGG
6711	Table 1	NA			58G4	1	TTTCATGCTCATTAGGACATTGAACAA ATGGCAGAGTAAGAAAGTTTGGCC
6712	Table 3A	Hs.169370			DNA sequence from PAC 66H14 on chromosome 6q21-22. Contains FYN (P59-FYN, SYN, SLK) gene coding for two isoforms. Contains ESTs and STSs /cds=(12,1706) 598H2	1	GGGAATGGACTCATATGCAAGATTGC TGACTTCGGATTGGCCCCGATTGAT
6713	Table 1	NA			598H2	1	CAACACATGGGACGGGAAGGAAATC CTTCCGTGTGATTTTGTAAAAATA
6714	Table 3A	NA	AA077131	1836605	7B08E10 Chromosome 7 Fetal Brain cDNA Library cDNA clone 7B08E10, mRNA sequence	1	CAGCCACCTCCTCAGGTGAGACAAG CCCAGCACCCAAATACCACTATCTG
6715	Table 3A	NA	AA501725	2236692	ng18e12.s1 NCI_CGAP_Lip2 cDNA clone IMAGE:929806 similar to contains Alu repetitive element; mRNA	1	GGCTTCCCTATTACCTCCCAGCGAAA TTCGTAGTCTTTCTCTATGGAGTT
6716	Table 3A	NA	AA501934	2236901	nh56a10.s1 NCI_CGAP_Pr8 cDNA clone IMAGE:956346, mRNA sequence	1	TGCTGATGTGTTAGGTAGTTGTGGCA CACTCACCTGTCTTTCTTAAATGC
6717	Table 3A	NA	AA579400	2357584	nf33d05.s1 NCI_CGAP_Pr1 cDNA clone IMAGE:915561 similar to contains Alu repetitive element;contains	1	TTTCATGCTCAGCAAAACAACGTTTTA GGATGGTGAGAGAAGACAAAGTAA
6718	Table 3A	NA	AF249845	8099620	isolate Siddi 10 hypervariable region I, mitochondrial sequence	1	TATTAACCACTCACGGGAGCTCTCCA TGCAATTTGGTATTTTCGTCTGGGG

Table 8

6719	db mining	Hs.277051	Al630242	4681572	ad07c09.y1 cDNA /clone=ad07c09-(random)	1	TTACCTGCTTTGCATGCTCTCCATCG
6720	db mining	Hs.277052	Al630342	4681672	ad08g11.y1 cDNA /clone=ad08g11-(random)	1	TCAAAGTCTTCTGGAAATCTTAGGC
6721	db mining	NA	Al732228	5053341	nf19e05.x5 NCI_CGAP_Pr1 cDNA clone IMAGE:914240 similar to contains Alu repetitive element;; mRNA s	1	CCCCACCCCAACACATACAAACGTTT
6722	Table 3A	Hs.197803	AW379049	6883708	mRNA for KIAA0160 gene, partial cds /cds=(0,2413)	1	CCCACCAATCCTTGAAGTCAAAA
6723	Table 3A	Hs.232000	AW380881	6885540	UI-H-BI0p-abh-h-06-0-UI.s1 cDNA, 3' end /clone=IMAGE:2712035 /clone_end=3'	1	TTC AAGGTCCCAATCCCACTAACT
6724	Table 3A	Hs.325568	AW384988	6889647	602386081F1 cDNA, 5' end /clone=IMAGE:4514972 /clone_end=5'	1	CGAAGGAAGAAATGGAAATCTATT
6725	Table 3A	NA	AW836389	7930363	PM0-LT0030-101299-001-f08 LT0030 cDNA, mRNA sequence	1	TGCACAGAACTCTTACTTACATGTCT
6726	Table 3A	NA	AW837717	7931691	CM2-LT0042-281299-062-e11 LT0042 cDNA, mRNA sequence	1	CATCGAAATCCAGAACACGTCG
6727	Table 3A	NA	AW837808	7931782	CM1-LT0042-100300-140-f05 LT0042 cDNA, mRNA sequence	1	TGCATGTATCCCGGTAATTCAAATCC
6728	Table 3A	NA	AW842489	7936472	PM4-CN0032-050200-002-c11 CN0032 cDNA, mRNA sequence	1	AATTCACAGCCACTGCTGAATAT
6729	Table 3A	NA	AW846856	7942373	QV3-CT0195-011099-001-c09 CT0195 cDNA, mRNA sequence	1	TACAGGAAATGAACTAGACGGGTG
6730	Table 3A	NA	AW856490	7952183	PM4-CT0290-271099-001-c04 CT0290 cDNA, mRNA sequence	1	GGGGACACTAGAATGAAACCAGT
6731	Table 3A	NA	AW891344	8055549	PM2-NT0079-030500-001-a04 NT0079 cDNA, mRNA sequence	1	AGTTTCTGCTTTCAGTGACTGAGGCT
6732	Table 3A	NA	BE061115	8405765	QV0-BT0041-011199-039-f09 BT0041 cDNA, mRNA sequence	1	TTGCTTTAACCTGGTGACTCCCAA
6733	Table 3A	NA	BE086076	8476469	PM2-BT0672-130400-006-h09 BT0672 cDNA, mRNA sequence	1	TCCCACCTTCAAGTTAAGCACAAAGC
6734	Table 3A	NA	BE091932	8482384	IL2-BT0733-130400-068-C11 BT0733 cDNA, mRNA sequence	1	AATCACTAATCTGGAGCACAGGA
6735	Table 3A	Hs.173334	BE160822	8623543	ELL-RELATED RNA POLYMERASE II, ELONGATION FACTOR (ELL2), mRNA /cds=(0,1922)	1	CATGGATGGGGCAGTGGTGTTTCT
6736	Table 3A	NA	BE163106	8625827	QV3-HT0457-060400-146-h10 HT0457 cDNA, mRNA sequence	1	AGTGTGTGAGGAAGCAGAGCAGATG
6737	Table 3A	Hs.301497	BE168334	8631159	arginine-tRNA-protein transferase 1-1p (ATE1) mRNA, alternatively spliced product, partial cds /cds=(0,1544)	1	TCACCACAGATGGGAAGATCGTTTCC
6738	Table 3A	Hs.172780	BE176373	8639102	602343016F1 cDNA, 5' end /clone=IMAGE:4453466 /clone_end=5'	1	TGAAAACAGTCTATAATCACAAGA
6739	Table 3A	NA	BE177661	8656813	RC1-HT0598-020300-011-h02 HT0598 cDNA, mRNA sequence	1	CAGACGCTCTAGATGCTGCCAGGTT
6740	Table 3A	NA	BE178880	8658032	PM1-HT0609-060300-001-g03 HT0609 cDNA, mRNA sequence	1	AGTGTGTTTATTAGACCTGAAATGA
6741	Table 3A	NA	BE247056	9098807	TCBAP1D6404 Pediatric pre-B cell acute lymphoblastic leukemia Baylor-HGSC project=TCBA cDNA clone T mRNA; cDNA DKFZp434C0118 (from clone DKFZp434C0118); partial cds /cds=(0,1644)	1	CCCTTTAGGCCTCTTGCCCGAAGCAGT
6742	Table 3A	Hs.11050	BE763412	10193336	RC3-BT0333-310800-115-f11 BT0333 cDNA, mRNA sequence	1	GAACACTAATAGATATCCTAAGCT
6743	Table 3A	NA	BF330908	11301656	CM2-HT0945-150900-379-g06 HT0945 cDNA, mRNA sequence	1	ATGGGGATCATGTTTTATTTTCTCTA
6744	Table 3A	NA	BF357523	11316597	RC6-NN1068-070600-011-B01 NN1068 cDNA, mRNA sequence	1	TATAATGGGCCAGTGTGTTCCCA
6745	Table 3A	NA	BF364413	11326438	MR0-FT0176-040900-202-g09 FT0176 cDNA, mRNA sequence	1	AGCTGTAGACCATAAGCCACCTTCAG
6746	Table 3A	NA	BF373638	11335663	QV1-HB0031-071200-562-h04 HB0031 cDNA, mRNA sequence	1	GTAGTGGTTTGGGAATCAAGCAA
6747	Table 3A	NA	BF740663	12067339	MR2-BN0386-051000-014-b04 BN0386 cDNA, mRNA sequence	1	TGTACTTATGCTTGCTTCTCTACCTG
6748	Table 3A	NA	BF749089	12075765	MR4-CT0539-141100-003-d05 CT0539 cDNA, mRNA sequence	1	CCCCCAGTCTTGAAGTGGTGGAA
6749	Table 3A	NA	BF758480	12106380	CM3-IT0048-151200-568-f08 IT0048 cDNA, mRNA sequence	1	GGAGGTGTGGGAAGCAAGAGAAGA
6750	Table 3A	NA	BF773126	12121026	CM2-IT0039-191200-638-h02 IT0039 cDNA, mRNA sequence	1	ACATTCTGTTAGGGGCAGAGAAGAA
6751	Table 3A	NA	BF773393	12121293	QV1-CI0173-061100-456-f03 CI0173 cDNA, mRNA sequence	1	GCATCTCCAGCTTTCATAGTTACCCA
6752	Table 3A	NA	BF805164	12134153	MR3-CI0184-201200-009-a04 CI0184 cDNA, mRNA sequence	1	ACTTGTAACCAGAGATGTGCTG
6753	Table 3A	NA	BF818594	12156027	MR3-CI0184-201200-009-a04 CI0184 cDNA, mRNA sequence	1	GGCCAGTGCCAGCGGTAGCTAGTT
						1	GGATGCTAAGGTAAGTAATTAGATA
						1	GGCATTGTAGGTTGACACCAGCAAAG
						1	ACTCAGAGTGACTTGAGCATTGGA
						1	AGCCCATTTGGATATGGCCCATCTTT
						1	ACCTAATGGCTACTATAGTGAGGT
						1	AATCACAGCAGTAACTCCCAGTAGGA
						1	AAGATTCTCAAAGGAATAGTTCTT
						1	AATGGTCAGGCACAGGTAGAACAAA
						1	GTCTGTATGTATGTTCACACAGA
						1	TACCTGAAGGTGTAGAGAGTGCCCG
						1	CATCCAGCAAGGCCAACAGCTCCAC
						1	CTGTGTTTTTCCCAAAGCAACAATTC
						1	AAACAAAGTGAGAGCCACTGACA
						1	GACTCCGAGCTCAAGTCAGTCTGTAC
						1	CCCCAACCCCTAACCCACTGCATC
						1	TGTAAGTACTTTATGTATCACTCAAG
						1	TCTTGCCCTTACTGAGTGCCCTGA
						1	TCTCTCTAAACAAAAGTAAATCTTCA
						1	GGACCAGCAAACCTCAGCCCAAGG
						1	AACTCTTGGTTAAATGGGTTAATAGA
						1	GGATTGGAACACTTTGTTTGTCTGT
						1	AGAAGCAAACCTGTGAAGCTACTATC
						1	GTTTATCATCAGTGTGAATGCACT
						1	GGACTAACTCCACCTCCTCTGCTAC
						1	TTCCAGCTGCTTCAATACACTACT
						1	AGTCTTCCACCCAGCATAGGTATCAC
						1	ACAACCAGCTCTGTTTTACTCCTG
						1	TTAGCTGTACATTGTTACAGAGTTTA
						1	CTGGGAGCCGGTAAGATAGTCACC
						1	AGCGTGATGCTTCCATGTCGGTGA
						1	TTTTCTGTTGAGACATCTTCAAGC
						1	CAGGGTTAAACAAAAGTATGGAATTC
						1	ATTCTTTTATATGCTGCAGCCATGTT
						1	CCT
						1	TGTAATTGATTTCCGCATAAACGGTC
						1	ATTACTGGCACCTATGGCAGCACC

Table 8

6754	Table 3A	NA	BF827734	12171909	RC6-HN0025-041200-022-F08 HN0025 cDNA, mRNA sequence	1	GTGATCCACTTGGAGCTGCTACTGGT CCCATTGAGTCTATAGTACTTCA
6755	Table 3A	NA	BF845167	12201450	RC5-HT1035-271200-012-F08 HT1035 cDNA, mRNA sequence	1	TGCCATGAAATCTCTATTAATCTCAG AAAGATCAAAGGAGGTCCTCGTGT
6756	Table 3A	NA	BF869167	12259297	IL5-ET0119-181000-181-b11 ET0119 cDNA, mRNA sequence	1	CCCACCTGGCAAATCCTCAAGTGTGA CCCTAGTCATCTTTCTCCTTTTGG
6757	Table 3A	NA	BF875575	12265705	QV3-ET0100-111100-391-c02 ET0100 cDNA, mRNA sequence	1	GCTAAACAGAAAAGAACCTGAAGTAC AGTCCCCTCTTCAAAGAACGTGC
6758	Table 3A	NA	BF877979	12268109	MR0-ET0109-171100-001-b02 ET0109 cDNA, mRNA sequence	1	ATCCTCCTCCCTGGGATGGCATAGA AGAGACTTTAAACCAAATGAGCC
6759	Table 3A	NA	BF897042	12288501	IL2-MT0179-271100-254-C11 MT0179 cDNA, mRNA sequence	1	GTCAAGTAAGCTCTGCTGCCAAGAAG ACACAGTGAGAGGTGTCCACAGTC
6760	Table 3A	NA	BF898285	12289744	QV1-MT0229-281100-508-e11 MT0229 cDNA, mRNA sequence	1	GTTTCCACTTAGTTACTTCTTCTACC TGCTGTGAAGCTCTGCACCCCTGC
6761	Table 3A	NA	BF899464	12290923	IL5-MT0211-011200-317-f03 MT0211 cDNA, mRNA sequence	1	AGAGTAATCCACATCCAGGGACAGT CACAATGACCTACGGCTTTAGCTG
6762	Table 3A	NA	BF904425	12295884	CM1-MT0245-211200-662-d02 MT0245 cDNA, mRNA sequence	1	GCAGGGCTACACCAAGTCCATTGATA TTTGCTCTGTAGGCTGCATTCTGG
6763	Table 3A	NA	BF906114	12297573	IL3-MT0267-281200-425-A05 MT0267 cDNA, mRNA sequence	1	TCTTCTCTAAATGCCCTCCTCTCCTT CCTTTTTCCAGACCTGGTTTAA
6764	Table 3A	NA	BF926187	12323197	CM2-NT0193-301100-562-c07 NT0193 cDNA, mRNA sequence	1	TCGCCATTTGGTAGTTCACAGTGAC TGCTCTCTATTTTACGAAGCCAC
6765	Table 3A	NA	BF928644	12326772	QV3-NT0216-061200-517-g03 NT0216 cDNA, mRNA sequence	1	GTAGATTACTATGAGACCAGCAGCCT CTGCTCCCAGCCAGCTGTGGTGTG
6766	Table 3A	NA	BG006820	12450386	RC4-GN0227-271100-011-d03 GN0227 cDNA, mRNA sequence	1	TTTCCTTTTCGCTGACTTTCTCACTCA CTGTCTGTCTCTCATTTTCTCCA
6767	Table 3A	NA	F11941	706260	HSC33F051 normalized infant brain cDNA cDNA clone c-33f05, mRNA sequence	1	TGGTAAGTTTCTGGCAGTGTGGAGAC AGGGGAATAATCTCAACAGTAGGT
6768	Table 3A	NA	U46388	1236904	HSU46388 Human pancreatic cancer cell line Patu 8988t cDNA clone xs425, mRNA sequence	1	CCATGGTGGTGCTTGACTTTGCTTTG GGGCTTAATCCTAGTATCATTTGG
6769	Table 3A	NA	U75805	1938265	HSU75805 Human cDNA clone f46, mRNA sequence	1	TCAGTGGGTGTTGGTGTCCATTAGT TGAGACTTAGTTGTTGCTCTGGGA
6770	Table 3A	NA	W27656	1307658	36f10 Human retina cDNA randomly primed sublibrary cDNA, mRNA sequence	1	GGCTGGACAGCAGATGATTCAAATCT CAATACTACATGCCCATTTCTGTGG
6771	Table 3A	NA			36G5	-1	CAGGATGGAACAAGACTCCAGCCCC TGGCTGTCTCATGTATCTGCAAGGG
6772	Table 3A	NA			36F11	-1	CTTCAGTGCCTACACGAGCTCAACGT TAGTGCCAGGAAAGACAACACTCTC
6773	Table 1	NA			37G7	-1	ACTCGTATGCCAACTCTTCTGTCTTC ACTACTAGAGTGTAGATTGGACTC
6774	Table 1	NA			37G8	-1	TGGACTGGAACCTTGACTCGAAGTTAT GTGGCTTAATGAGTAAGTTCAGCC
6775	Table 3A	Hs.197345			thyroid autoantigen 70kD (Ku antigen) (G22P1), mRNA /cds=(17,1846)	-1	ACTGGTTCATTTGTTTCCCGATAGAG CTTTATTGGAGGAGGCTTGAGAGC
6776	Table 1	NA			40E4	-1	ACCATCTCCTTTAATCCTCACAGTGA TCCTGGAGCAATGTGTGCATTCTCT
6777	Table 3A	NA			41E9	-1	CATCACCTGCTCACCTAGGAACCAGG AGTACTGGGAAGTGTCCGTTACT
6778	Table 3A	Hs.169476			Homo sapiens, glyceraldehyde-3- phosphate dehydrogenase, clone MGC:10926 IMAGE:3628129, mRNA, complete cds /cds=(2306,3313)	-1	TCATTGCTGATGATCTTGAGGCTGTT GTCGAACCTCTCATGGTTCACACC
6779	Table 3A	NA			47E5	-1	TGGCACCCAGCTGATTATTTTCTTTT CAAATCCCAGCCTATACACCTCC
6780	Table 2	NA			47D11	-1	GCTGTCTGTCTTCCCAATATCCATGA CCTTGACTGATGCAGGTGTCTAGG
6781	Table 1	NA			50A11	-1	AGGCCCTTTTATTGTTGTTTATGATA CACTGCTTCCTATATCTGCTGGA
6782	Table 3A	Hs.132906			DNA sequence from clone RP11- 404F10 on chromosome 1q23.1-24.1. Contains the 5' end of the SLAM gene for signaling lymphocytic activation molecule, a SET (SET translocation (myeloid leukemia-associated)) protein pseudogene, the CD48 gene for CD48 antigen (B-cell membrane protein), the gene for a novel LY9 (lymphocyte antigen 9) like protein and the 5' end of the LY9 gene. Contains ESTs, STSs and GSSs /cds=(41,1048)	-1	CCCGTGCCCCACCAGTCTCACTGCC TGACTCCAAGTCTCGTACACTAGAT
6783	Table 1	NA			52B9	-1	AGCGATGAACTGTTGCAAAAGAATTT TCCAGAGCATTTTCCATTAAACCA
6784	Table 1	NA			53B1	-1	CCATATTCTTGTTCCTCCAGCCAGGTG CTGCACCTCCCCACTCTTTTAGTG
6785	Table 1	NA			53E3	-1	AAATGCTTAAGGAACAATATATGTC CCTTCGAGGCACGTGATTCTGTTT

Table 8

6786	Table 1	NA	53E10	-1	TCTGGAGCCACACCCTTACCATCACC TTCCAAAGAAGAAATTGAACCCCTT
6787	Table 2	NA	53G7	-1	AATCACACAAGGTCGAAAGTAGACAG TCCTCTTGGACTTGGAAATTGTCCA
6788	Table 1	NA	54F4	-1	ACTTTCTCTCCGGGAAGTTGTATCTT AGCGTGGACAACAGGTTAACACAA
6789	Table 1	NA	54G9	-1	TCAGGATGCTCTCACTTTAAGAACCG GGCAAATAATAGAACTGTGACA
6790	Table 1	NA	59G1	-1	ACTTCACTCAGAGTAAATGAAAAGAC TGGGTGCCCTCATCAATATCATTGT
6791	Table 1	Hs.48320	mRNA for ring-IBR-ring domain containing protein Dorfin, complete cds /cds=(317,2833)	-1	TGACTGAAGGCAAGCTCACAGATGAA GCAGAGGACTGAAGATCTCGATCT
6792	Table 1	NA	60G8	-1	GCTGAGAAGGATGTGGTATAAATGTA TTAAGCAGCTTAGGGTCTCTGGCC
6793	Table 2	NA	62C9	-1	AAGTCCCCGTCTAGTGGGAAAGAAA GAAGTTGAACAAGTAATCCAAGGG
6794	Table 3A	NA	62F11	-1	CGCCCGGCAAGTACTGGGGTTTCTTA TAGCTTCTCTCTGCATCTACAAAG
6795	Table 1	NA	63E1	-1	CTGTTTCTCTATTTTAACTTACATTGG TTATTCTGTAAAGTCAGATGTGGCAG
6796	Table 2	NA	65B1	-1	GCACTGTCTCTCCAGTTCTACATTT GAGTCTGAGTTGACTCGCAAGACT
6797	Table 2	NA	65D10	-1	AACAGATTGTGCTTCTGTTCTGAATC TTCTAAAGCCATCTGCACAGTGCT
6798	Table 2	NA	65D11	-1	AACAGATTGTGCTTCTGTTCTGAATC TTCCAAAGCCATCTGCACAGTGCT
6799	Table 2	NA	65D12	-1	ATCTGCACAGTGTTAGCATGGTGACT CCAGTGTCTCTCAAGACTCCATAG
6800	Table 1	NA	68C9	-1	TTTAGCATCCACTAGTTACTGTCTGG CACTGGCCACGAAGGGTGACAGGG
6801	Table 1	NA	69F8	-1	GAATCCCGGTCTCTCTACCCAAGTC CCGGTCTCTCTACCCTATTCTCTC
6802	Table 1	NA	69H11	-1	TGGTAACCTCAAAGTCCCTAACACAT TCGATATTTCTCCTAGCTTCCACT
6803	Table 3A	NA	70B6	-1	ACTCCCAACCAACCCCACTTTGTAAT CACTGGTAGTAAAGAGAGATGCAG
6804	Table 3A	Hs.17109	integral membrane protein 2A (ITM2A), mRNA /cds=(139,930)	-1	AAGAGTAAGAGGCAACAGATAGAGT GTCCTTTGGTAATAAGAAGTCAGAGA
6805	Table 2	NA	72D4	-1	GAAATTGGAAGGTGATACTTGGGGAC CACAAACGCACATCTGGGAACTG
6806	Table 3A	Hs.234279	microtubule-associated protein, RP/EB family, member 1 (MAPRE1), mRNA /cds=(64,870)	-1	TCATCTGTGGCATACAGAATGTCTAC AATCTTCTGCAATACAGGGTCGTT
6807	Table 2	NA	72D8	-1	GGCAAGGGAAACAACTTGAGTAAATC TAGCTCTTGAGGGCTCGGGACCC
6808	Table 1	NA	73C4	-1	ACTCATTTGTCTCCTCATCTCAAAAG TCTTCTGTGTTTGGCTTCAGTG
6809	Table 1	NA	73H4	-1	TCGATGGCCATTATCCACTCTGCTA TCTTCTGAAGAGTAATTTTCACT
6810	Table 2	NA	73A7	-1	AAGGACGGAACCTCACACATCTTCTT AGACAGAAATGTAGTCTCACTGCA
6811	Table 3A	Hs.174228	small inducible cytokine subfamily C, member 2 (SCYC2), mRNA /cds=(0,344)	-1	TATAATCCAGTCCATGAGGGTGTA AGTGAATGAGCTGGCTGGCTGGA
6812	Table 3A	Hs.3945	CGI-107 protein (LOC51012), mRNA /cds=(84,719)	-1	GCTCTGTTCTGGGGTTGGTCCAAAGT CAGGTGGAGTTCCAATGTATGAAA
6813	Table 1	NA	75A2	-1	TCCCTGAGATCTAGGAGGCGAGCAT AGTATCATTTTGTATTCCGGTGTCT
6814	Table 3A	Hs.249495	heterogeneous nuclear ribonucleoprotein A1 (HNRPA1), transcript variant 2, mRNA /cds=(104,1222)	-1	AGCTGCTACAAAGAAGACATGTTTAA GACAAATACTCATGTGTATGGGCA
6815	Table 2	NA	75B12	-1	AGGGATCTGAATACTTCGGGTGCAAA AATTTTCCTGCAGTTTAGATTTGC
6816	Table 2	Hs.205442	601439689F1 cDNA, 5' end /clone=IMAGE:3924407 /clone_end=5'	-1	TATGGTTTCCAATATCGACATGGCAT CATTGGTTACATTAGCACTGGGCC
6817	Table 3A	NA	101G7	-1	GGCCTGGGCATAGACTGTGGTGAGG TCACTAGATTATCTTGTCTTCCCC
6818	Table 3A	Hs.179565	minichromosome maintenance deficient (S. cerevisiae) 3 (MCM3), mRNA /cds=(44,2470)	-1	GAGTCCGTGATCTCAGCTTCTACACCA ACATTCCTCGCCTTCAGTTGAATT
6819	Table 1	Hs.119640	hBKL for basic kruppel like factor (LOC51274), mRNA /cds=(55,1092)	-1	GGAGGTCTTTGCCACCAATGGGAGA TGAGCCCAACTTTTCGATATAGGTG
6820	Table 3A	Hs.215595	guanine nucleotide binding protein (G protein), beta polypeptide 1 (GNB1), mRNA /cds=(280,1302)	-1	ACCAGAGGTAACCTTGAGTGTAATTG TCAGACAGACACACTTTCCACCA
6821	Table 1	NA	105A10	-1	TGCATTTTACATTAGCTTCCAATATTT ATGGCAGTAACCAACAGTATTATCGT
6822	Table 1	NA	107G11	-1	TTTCCAATGCTCCTTGTCTCATTTTAA ACTTGCTGTCTTTATAAGAGAA

Table 8

6823	Table 1	NA	107H8	-1	TGTTTTACGATAGAAATAAGGAAGG TCTAGAGCTTCTATTCTTTGGCCA
6824	Table 3A	Hs.64239	DNA sequence from clone RP5- 1174N9 on chromosome 1p34.1-35.3. Contains the gene for a novel protein with IBR domain, a (pseudo?) gene for a novel protein similar to MT1E (metallothionein 1E (functional)), ESTs, STSs, GSSs and two putative CpG islands /cds=(0,2195)	-1	TTTCATACAAAGCCAACAGAATTTCAC AGCCACACACTGCACAGGTCATGT
6825	Table 1	NA	109H9	-1	AGGAAGCTGTGAGGGTGGGTTTCATT AGTTGCAGGGATGGTAGTTATGTCA
6826	Table 3A	Hs.80261	enhancer of filamentation 1 (cas-like docking; Crk-associated substrate related) (HEF1), mRNA /cds=(163,2667)	-1	GAGACAAGCTGGAAGGCCGGACCTC AGACCGGAGGGGGTTTATGTCAATTC
6827	Table 3A	Hs.1422	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog (FGR), mRNA /cds=(147,1736)	-1	ATAACTAGACAAGGTCTGAGCACTTT GGGTGGGATGGAGTGAGAAAGGC
6828	Table 3A	Hs.333114	AV713318 cDNA, 5' end /clone=DCAAAC09 /clone_end=5'	-1	ATTAAGTTGGGTAAACCCAGGGTTTT CCCAGTCACGACGTTGTAAACCGA
6829	Table 1	NA	129A12	-1	GCGTTCTAGCTGGGCCAACAGAGCA GGATTTTCGTTTCAGAAAACAAAACA
6830	Table 1	NA	129F10	-1	ATCATGTCTCATTACAGAGTGAAGA TGGAGCAACGTCATCCAGCTTCTG
6831	Table 3A	NA	137D4	-1	TGGTCGCGCCCGAGGTACGGTTTTTC ATGGTAGGGCTGAATGGAAGATGTG
6832	Table 1	NA	142F9	-1	CAGAAAGATAGGAGTGTGCAATGGC AAGGAACTCAATTTAAAGCAAATT
6833	Table 3A	Hs.250655	Prothymosin, alpha (gene sequence 28)	-1	TTGCAAAATTCATGTTTGGGTTGG GTGGTGGAGAGCGGTGTCTATCTG
6834	Table 3A	Hs.249495	heterogeneous nuclear ribonucleoprotein A1 (HNRPA1), transcript variant 2, mRNA /cds=(104,1222)	-1	TTATTGAGCGTCACGATCAGACTGTT ACATTTAGCAATCAACAGCATGGG
6835	Table 1	NA	149G2	-1	TGTGTGTATGTGTGTAACCAAGGTCTG ACTATAGCTTGGTCTGTCTGTGTC
6836	Table 1	NA	149A11	-1	AGCATTGGGGTTTTAGCTTTGGTGT CCTAAATTTCAAGTATCTTTGCCA
6837	Table 3A	NA	151F11	-1	CATAAACCAGCAGCTCAGCGTTTCTA TAGCAAGCGGTCTCGAGCACAAGC
6838	Table 1	NA	162E8	-1	TAGTGATAGCGGTGGTGGCGGCGAA GGTCAGTAATGGGGCTTTTAACCAG
6839	Table 3A	Hs.334330	calmodulin 3 (phosphorylase kinase, delta) (CALM3), mRNA /cds=(123,581)	-1	TACTGTAGAAAGAAGAAGAGCACACA TGAGACAGAGAAGGAGGTGGATGC
6840	Table 1	NA	170F7	-1	CGAGGCGGCCCCGGCAGGGTACCAAT TTGGATGAATTCCTTGATAGATTTAA
6841	Table 2	NA	170F9	-1	TTGGGTTTCAAGTATGCTTCACTACT GCCGAGCAAAGTCAATACAGCACT
6842	Table 3A	NA	177A3	-1	GGTAACAGCCATCCCACCACCAATAA TCATCTCATTGTCTTTGTCCAGCA
6843	Table 1	NA	331A3	-1	GTATGAATAGATTGCCCATTCCTCG CCAGCCTGGTAGTGACTTTTCCAC
6844	Table 1	NA	331A5	-1	TATAATTTCTACCAAATAAGTTTTAT TTTGTGCCCGTCCCTGTCCCTT
6845	Table 3A	NA	146C3	-1	CTGTAAATTCCTTTTCCGGTCCATCC TGGCTCTCATCTCCAGTGCTTTGA
6846	Table 1	NA	146D8	-1	AGGGTTAACAAAAGTATGGAATTCAA TTCTTTTATATGCTGCAGCCATGTTCTG
6847	Table 3A	Hs.153	ribosomal protein L7 (RPL7), mRNA /cds=(10,756)	-1	CCCAATCTGAAGTCAGTAAATGAAC AATCTACAAGCGTGGTTATGGCAA
6848	Table 1	NA	158G6	-1	CCGAGGTACTCTCTTAGAGAAAGGTG ATTGGATGCTCCGGTTGCCTGTAA
6849	Table 1	NA	158H6	-1	GCGGGTTGGAAATAGTCGAGAATTG ACAGTCCCTCTCGAAGATGCTTTT
6850	Table 3A	Hs.119598	ribosomal protein L3 (RPL3), mRNA /cds=(6,1217)	-1	TTGAGACCCACCAACTGCAAAATCT GTTCCCTGGCATTAAAGTCCTTCTT
6851	Table 1	NA	158G11	-1	AATGAAAACTCCAGCTCTCAGCTCA CAAACTCTGTAATTTAGGTGTCTCT
6852	Table 3A	Hs.326249	ribosomal protein L22 (RPL22), mRNA /cds=(51,437)	-1	TCGTCTGGTTAATCTGGAAGTAACG TAATTCGTAACCTCTTTGCTGTT
6853	Table 3A	Hs.297753	vimentin (VIM), mRNA /cds=(122,1522)	-1	TCGGTTGTTAAGAACTAGAGCTTATT CCTATTCCAAATCTATCTTGGCGCT
6854	Table 3A	NA	155H10	-1	AGATAAGAACTTCATCCTAAAGCATC CGGGCCTTGGCATCTTTGCCATGC
6855	Table 3A	Hs.108124	cDNA: FLJ23088 fis, clone LNG07026 /cds=UNKNOWN	-1	ACTGATTTTCATCAAGTTCGACACTGG TAACCTGTGTATGGTGACTGGAGG
6856	Table 1	NA	159F6	-1	AATCATTGGCTACCTCCTCCCTTTT ACAGTCACAAGTCCAGATGTTTGG

Table 8

6857	Table 3A	NA	166F3	-1	AATAAATCCCATACCTCCCATTGAAC TACCACCCACCCGACCACCATAA
6858	Table 1	NA	166F6	-1	CAAGACATTTCAGCCAACTTCAGAA TGTAGATCTTTGAGCCAGACAGCT
6859	Table 1	Hs.8121	Notch (Drosophila) homolog 2 (NOTCH2), mRNA /cds=(12,7427)	-1	GAGGTACTGGCCTGTGAAGCCCTGA AGGCACTGGCACTGGTAGGAACCAG
6860	Table 2	Hs.25130	cDNA FLJ14923 fis, clone PLACE1008244, weakly similar to VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1 /cds=UNKNOWN	-1	ATCTTCTGTCAAAGTCAGTCGCTGCT CCAAGATTGAAACAGTCTGTGTCA
6861	Table 1	NA	168A9	-1	TGGATGGATTTCGAAGTGGCCCTCATA TTTATCATGGTGCTTTAAATAGCA
6862	Table 1	NA	171F11	-1	TTCAGCTTAGGGAAAGAGAGATACAT TTTAGATTATAGACATCGCCTGC
6863	Table 3A	NA	171G11	-1	ATCTTCTATGTGCGCCAGATAATGA TCAAGTTCACAGGTGGTCTTACTT
6864	Table 1	NA	175D1	-1	AGTTTCTTAAGTCAAATGACACATTAG CCCACGCAATTCCCAGCCCCAGC
6865	Table 1	NA	182H1	-1	CCCTCTTCTGACATGAATTAGGCATA ATTTAGCAATCGGTTCTTCCCAA
6866	Table 3A	NA	184B5	-1	ATACAGTGAAGTGGCACTGGCTGTT TGCTATATAAATGGTATACTGCTT
6867	Table 3A	NA	184D2	-1	AGGTTACTTAAAAGCATCATTGGCGT GGTCTCTCACTACCAAAGGGCAG
6868	Table 1	NA	184H1	-1	CTGGGGTCAGCAAAGAGGGGTAGCA AGTGTGCCTTAGAGATGAAGAAATG
6869	Table 1	NA	46D1	-1	TTTAGAGTACTTAGAGGAGGACCAGG AAACACTGAGACAGACACGCAGGC
6870	Table 1	NA	98C1	-1	TGTTTGAAAACACTACCTTCATGGGAGC AATGACAAGCACATGTCTAGGATT
6871	Table 1	NA	98C3	-1	TTTGTGCCAAGGTTTGGGATTTTGTG TTCTAGAGCTTCTTCTCTATTGGT
6872	Table 2	Hs.205442	601439689F1 cDNA, 5' end /clone=IMAGE:3924407 /clone_end=5'	-1	TTTTTGACGCTCTCTCACTGGTCTTG GCATTTGATGTTTCTGTTGAAGCC
6873	Table 1	NA	98H4	-1	CCTATAATGGGGGAAAGATGCTGGTT AGATGTTTATTTTAGTGGGCTTGC
6874	Table 1	Hs.169363	GLE1 (yeast homolog)-like, RNA export mediator (GLE1L), mRNA /cds=(87,2066)	-1	CCACAAACACACCCTGCCACAAGACA TTTAGCACAGAGGAACAGATCCAT
6875	Table 3A	NA	113F12	-1	GACACCACAACCTCACCTCCTCTATTA TTAGAGATCCCGAGACATTACGGC
6876	Table 1	Hs.30212	thyroid receptor interacting protein 15 (TRIP15), mRNA /cds=(15,1346)	-1	TGTTACAATTCAGCAGTTGAATTCA GTGAACACTGGTTGAGGAGTGCCT
6877	Table 3A	NA	173A10	-1	CCTTCCGTATTCTCCCAAGTATTCAC AAGCCCTCCCTTAAACCCCTCTCT
6878	Table 3A	Hs.334853	hypothetical protein FLJ23544 (FLJ23544), mRNA /cds=(125,517)	-1	ACAGCCATCTGGGATGAGCCGCTTTT CAGCCACCATGTCTTCAAATTCAT
6879	Table 3A	Hs.20252	DNA sequence from clone RP4- 646B12 on chromosome 1q42.11-42.3. Contains an FTH1 (ferritin, heavy polypeptide 1) (FTHL6) pseudogene, the gene for a novel Ras family protein, ESTs, STSs, GSSs and a putative CpG island /cds=(0,776)	-1	TAACTGAATACAGTCTCATCTTGCCG CGCCTGGCTTACCTATCTGTGGAA
6880	Table 1	NA	174D1	-1	AGGTACTACACAAGGTGTCAGATGG GGTTGCCACAATGACTAGGACAAGA
6881	Table 1	NA	45B9	-1	CCAAGAAGACAGAAGGAAGTGTGCA ACACCATGACAAGAGCTTGCCAGAA
6882	Table 1	NA	45H8	-1	GAGAGCTTCTCCCGCCTTCAGTTT CTGATGGATCTAGCCATGTTGAAA
6883	Table 1	NA	111H6	-1	TAAACTTTCTGCCAGGGTTCCAGAG AAAGAGTAATTCCTTTGAGTACC
6884	Table 1	NA	111E12	-1	CGCTCGCCGGGCCAGGTACCAAAAC TTTCATAATAAAAGGTAGGAAGGAT
6885	Table 1	NA	111H11	-1	TGACTTCATTGAAGGCTCCATCACCC AAAGTAGATGTTAAACCTTAAT
6886	Table 1	NA	112H3	-1	TTTATGTGGAAGGCTTCCCTATTACC TCCCAGCGAAATTCGTAGCTTTT
6887	Table 1	NA	112E9	-1	TAAATGTTGCCAGTGGAGGACCGAA TCAAGGTTATTGCTGACCTCATTT
6888	Table 1	NA	114G3	-1	AGATATGTTCTGAGCCCGCCACAC ACTGCCTGGTTACAGGGAGAGAAG
6889	Table 1	NA	117H6	-1	GAGGTTCCCTCATCCCAGAAGAAGCA ACAGGATTTCCAGATCAGGGCAAC
6890	Table 1	NA	165E7	-1	CTGGTCTGTGCTGGCTTTATGAC AGGAAGTGCCCTGTGGGTTATCTTA

Table 8

6891	Table 1	NA	165E11	-1	CCCAACGCTTGTGTGCGTATGTATGT GTGATTAAACATCCTGTTCCCAT
6892	Table 1	NA	165F7	-1	GCATAAAGGCAGCCATTTCCATTCTC TACATTCTCTAGTGATAGCAGAGG
6893	Table 1	NA	176A6	-1	CGTTACGCAATGGAGAAGTCCCCTTG AGGCTGAATAATCACATCTGTATC
6894	Table 1	NA	176G2	-1	AGGCCAAATCACCGCACAGTTGAATT GCTGATTCTAATTGGTAACAATAA
6895	Table 1	NA	176E10	-1	TTGTAGTGAATTGTGTGATACGCCAA ACCTTTAGTTAACCCAAGTGATGA
6896	Table 3A	NA	176F11	-1	CCTTGTTGCCGTGGGTATATGCATGA TCTTACCTTTTGTGTTGACTATGAA
6897	Table 1	Hs.232400	heterogeneous nuclear ribonucleoprotein A2/B1 (HNRPA2B1), transcript variant B1, mRNA /cds=(169,1230)	-1	AAATGATATGTTAAGCACCCAAATCTT CACATGGAGGGGAAGGGGGTGGG
6898	Table 1	NA	71F2	-1	GGCCAAAGCTGTTTATTATGAGATCT TTGAGTGGAATCAGCATGTCTCCC
6899	Table 1	Hs.172028	a disintegrin and metalloproteinase domain 10 (ADAM10), mRNA /cds=(469,2715)	-1	TTAACAGCATTGAAGGTGAAACAGCA CAATGTCCCATTCCAAATTTATTT
6900	Table 1	Hs.180610	splicing factor proline/glutamine rich (polypyrimidine tract-binding protein- associated) (SFPQ), mRNA /cds=(85,2208)	-1	AGGTACGAAAATACATCTGGCATCA CACCCTGAACCCAAGACTGTTCT
6901	Table 1	NA	124G4	-1	GAACCTACTACTGGCAGTTGGGTTCA GGGAGATGGGATTGACTTCGCCTT
6902	Table 1	NA	124C8	-1	AGAGCTAATATACAGAGTACCTGACA CACTACCTCACCAACAGTTAACT
6903	Table 1	NA	124F9	-1	GCCCAGGCAACAAGAATACTTTTATC TTTGATCCGTTCTGTTTATCCAGT
6904	Table 3A	NA	127A12	-1	CTGAGGGTAGACTGTGGGCAAGAG GACAACTCTCCCTCCCTAAGGGAC
6905	Table 1	Hs.50180	601652275F1 cDNA, 5' end /clone=IMAGE:3935610 /clone_end=5'	-1	TGCCCAGACCTATTTCTTAGGACAG TATTCTAAAGTTCAGTAGTCCAGT
6906	Table 1	NA	161E8	-1	GCCCTGTCCCTTGAGAGGCTCACAG CGATGGAGGCCACTTTTGTGTTTG
6907	Table 1	NA	186E8	-1	ACCAAAAAGGGCTACATTACCACCAC TGTATCATAAAAGCCAGCCACCTT
6908	Table 2	NA	191F6	-1	AGCTGACGATTTTCTATCCCGGCCCTA TAGTGCATGTATGGCAATTGAGCA
6909	Table 3A	NA	193G3	-1	CCCCAAAACAAAATAAACCCACA CCAGATATCAGTCACATCCTTGAA
6910	Table 1	NA	194C2	-1	AGTCTGTTATTGCCTGATTTTGTCCC CACCTTGTTCAAATTTCCAAAGCT
6911	db mining	NA	458C6	-1	CTCACAGCCGAAGCTCTGATCCTTTG TTCTCAGGAAACACTCAGGAAGTG
6912	Table 1	NA	458E4	-1	AGAGAAAATGAGAGACAGACAGTGA GTGGGAAAGTCAGCGAAAAGGAAAA
6913	Table 1	NA	458G10	-1	TCCTTGAGTTTATACACCGTGCTATG AGTGATGACAGCCAATTCCCATGC
6914	Table 1	NA	459B3	-1	TCGCTTCAGGGGTCAGCCAAAAGATA GACAGCCAGGTAACCTTGAGTGGAC
6915	Table 1	NA	459D2	-1	GGACAGTACCAAACACTCCCCTCCTC CCCTCTGCCCTCTTTGCTTACTTAG
6916	Table 1	NA	459E6	-1	GACCAAACTACTGAACTTCCACCCTGC ATAATAATCATGAACACCGCACCA
6917	Table 3A	Hs.20830	DNA sequence from cosmid ICK0721Q on chromosome 6. Contains a 60S Ribosomal Protein L35A LIKE pseudogene, a gene coding for a 60S Ribosomal Protein L12 LIKE protein in an intron of the HSET gene coding for a Kinesin related protein, the PHF1 (PHF2) gene coding for alternative splice products PHD finger proteins 1 and 2, the gene coding for five different alternatively spliced mRNAs coding for a protein similar to CYTA (CYCY) and identical to a polypeptide coded for by a known patented cDNA, and the first two exons of the gene coding for the homolog of the rat synaptic ras GTPase- activating protein p135 SynGAP. Contains three predicted CpG islands, ESTs and an STS /cds=(163,2184)	-1	AGGTGAGCAGTGCCCTCAGATACCTG CAAAACCTTTCTGCACAAATGTGCT
6918	Table 3A	NA	460D5	-1	CAGATCCAATGAGGGTCCCATCTCTT CCCACCTTCAATCCCGTGTGTTCT

Table 8

6919	Table 1	NA	460B9	-1	CCAACCAAACCATCAAACAGCAGGGA GCTAGTGAAGAGGTCTATTGTTCC
6920	Table 3A	NA	461A4	-1	ACATCGCCTAAACCGTGCATCGTAA ACATTACCTCAAAGTCATCCTCT
6921	Table 1	NA	461G6	-1	TTTTCACTCCTCTCAGAGTCTACTCC ACCTCTCCTCACTCCCCAGGACAC
6922	Table 1	NA	461D9	-1	AGATCTGTGTTCTGTCTCTAGGTAATA GGAAACACAATCCAGACATGATCT
6923	Table 3A	Hs.80768	chloride channel 7 (CLCN7), mRNA /cds=(38,2455)	-1	TTCATGAAGCTCGGAGAGGTCCATGGT GCACTCCCGCTCGTCTGGGACAC
6924	Table 1	NA	461H7	-1	CTGGCAATATTAACTTGGGTTCTGTT TCATCTCTGGCTATAAGCCATACA
6925	Table 1	Hs.333513	small inducible cytokine subfamily E, member 1 (endothelial monocyte- activating) (SCYE1), mRNA /cds=(49,987)	-1	TGCCATTCTTTTGTGAACCTGTAA GGTAAGGCCAGATTCTGAAACCT
6926	Table 1	NA	463A5	-1	TAAAGCACTTATGAGAATGCTGCATT TGACATGAGCTACGCCTCATCTT
6927	Table 1	NA	463B2	-1	GCACCCACCTCCTCAGTTCAGACAAG CCCAGCACCCAAATACCACTATCT
6928	Table 1	NA	463C5	-1	AGCGCATGAGTGACTCCCATCTATAT ATGTCACTCGTCTCTGGTGCAAGG
6929	Table 3A	Hs.40919	hypothetical protein FLJ14511 (FLJ14511), mRNA /cds=(22,1272)	-1	GAAACAGTGGCCCCGGTCTGATGTC GCTGTCCAGATCTTACGCTACACC
6930	Table 1	NA	463H5	-1	AGTGCATTACACTGATGATAAACGA TAGTAGCTTCACAGTTTGCTTCT
6931	Table 1	NA	463A7	-1	GCTTCAAAATTCCTTACCCCAACCT CTGGCACCCCAAATTGATCACTA
6932	Table 1	NA	463B10	-1	GAGGAAGGGCTGGCTCTTACTCCCC ACAAGAGGTGTTCTTAGGCCACAC
6933	Table 1	NA	463C7	-1	CCAATCTAATTTAAACCTCATAACAG GACATAAGCTTGGCCCCGATCT
6934	Table 1	NA	463F10	-1	TGCTCAATGTTTGCAGTATTTTATT CAATGTTTTGAAGGGGCTTATGA
6935	Table 1	NA	464C2	-1	TGCTAACACAGCTTCTCGGTATGTT AATATTCTGCTAACTCCTTTCTCA
6936	Table 1	NA	464C5	-1	GGAGGAATGGCTGTGCCCGTCCCCT CCACTTAAGCGACCTGAGTCTCCAG
6937	Table 1	NA	464C10	-1	ACACACACTTAAGAGTACAGATGAGA GCCAAAAATAAGTGGCAGGTCTTT
6938	Table 1	NA	464D8	-1	TTTTGTGACTGTGCATGCTTGAAAAG AATAAGTTTTCTGCAGCTGTGTCT
6939	Table 1	Hs.221695	7k30d01.x1 cDNA, 3' end /clone=IMAGE:3476785 /clone_end=3'	-1	CTTGTCTGTGGCGTGGCACACAGTA GGTGCTCGGTTTGTGTTGTTGAATG
6940	Table 1	NA	464E7	-1	GAATTCTGAATACATGTTGGACTGTG TTTCTTTGACCTGTGTTTCTTAGG
6941	Table 1	NA	464H12	-1	TGAGTCCTTGGCCTCAGCTTCTAATC TCAAACCTAAAAATAGATTGCGTTT
6942	Table 2	NA	465B3	-1	TCTTCTCGTCTTTGCTATTAAATTTCT TCACGGACCATGCATCTGGAGGA
6943	Table 1	NA	465G2	-1	CCAGAGACTCCTAAGCAGAATCAAGG ATGTGTGGCATAAGCATGAGAGCC
6944	Table 1	NA	465H5	-1	CCCATAAAGAGGAATAAGCTACTGTC CTCAGCTCTTGTAGCTCAGGCTT
6945	Table 1	NA	465A12	-1	AGAGTTTGTAACACAATCCAGTCCAC ATGCTTATCCAATCCCATCATCCA
6946	Table 1	NA	465F7	-1	AGCTCAAAATATGGCAAAGTGATGAT TTCGTGTTAATCCTAGAAACAGCA
6947	Table 1	NA	465G8	-1	TGGGTCTGCTTTTACATGAAAAGTGCT ACGAATCTCTTTTGTGCTGAGCC
6948	Table 1	NA	465H10	-1	GGATGAGCCCACTCACAGCACCAGA TTTGTACTGAAAGTACCTTAATATC
6949	Table 3A	Hs.136309	DNA sequence from clone RP4- 612B15 on chromosome 1p22.2-31.1. Contains the (possibly pseudo) gene for a novel protein similar to 60S ribosomal protein L17 (RPL17), the gene for CGI- 61, endophilin B1 and KIAA0491, ESTs, STSs, GSSs and two CpG islands /cds=(1011,1406)	-1	AACCCAAATCCAAATGCCAGGATAGA AGAATTTGTTTATGAGAAACTGGA
6950	Table 1	NA	515C12	-1	CGCTTTTGTATCTGATTACTATTTTAC ACAGGTTACAGCTATGACCATGA
6951	Table 1	NA	515H10	-1	CTGCCGCTAATCACTAGTAATTTTCG ATCGTCCGCCCTCCAGGTACATAT
6952	Table 1	NA	55G3	-1	AGGCGTGTCTATTAAATTATCCATACC CTCCTTACAGAAATTACACTCGCA
6953	Table 1	NA	55F9	-1	GGGAGAAAGTTCTTTAACTAAGGGTA CAAAATGAATTGAATGCTGGGGGC
6954	Table 3A	NA	99E7	-1	ATTAGCGTGTTCGCGCCCGAGGTAC ACCAAACCTTCAGAAAGCAAGTT

Table 8

6955	Table 1	Hs.319825	103C4	-1	AAGATATGAAATATGCCTACCCGCAG AGCTTGGCACAAAGTGGAGTCAAT
6956	Table 1	Hs.17481	mRNA; cDNA DKFZp434G2415 (from clone DKFZp434G2415) /cds=UNKNOWN	-1	GTACAGAGATCGGATCACACAAGCC CGGAGACAGTGCAGTTCTCCACTG
6957	Table 1	NA	116C9	-1	AATGCACTTGTGATAAACTGACAGCA GGGTTAGACATTACTTTCAAAGCT
6958	Table 1	NA	128F5	-1	CCACTGCTCAGGAACTGCCTGTTCCG GTGCTCCTCCAATTCAATTAAGCT
6959	Table 1	NA	135F10	-1	AGTGCTGGTATAACTGCAGAAAGAGA TAGAGAAGAGAGATCAGTGAGAGC
6960	Table 1	NA	189F3	-1	AAGTCAGGACCTTTGCACTTGCCCGC CCTCTGCCTTCACAGCTCTTCTCA
6961	Table 1	NA	189A8	-1	TAATCAGGGAAGAGCTTGAGATCATT AGCAACTGAAGTGAACAGGGAGTT
6962	Table 1	NA	195H12	-1	CTGGGTACGCTCGCCACCAATGGT ATCTGTGTGGTTAGGCATTAGGCTG
6963	Table 1	Hs.292457	Homo sapiens, clone MGC:16362 IMAGE:3927795, mRNA, complete cds /cds=(498,635)	-1	GGTGGTAGGTGAGTGGGTATTGCGG GCTAGTATCCGAGCAAAAGATGGTG
6964	Table 3A	NA	466C4	-1	CAGCCCTGCTATCTCTGTTGTTCAT GTACTTCTGTAAGGTGGAGACCCT
6965	Table 1	NA	466D1	-1	GAAGGTGAGAAACCCGAGAGACACC AACTATGATTTTTACTTTTCTGGT
6966	Table 1	NA	466G2	-1	ACCACCCCTCCCTTCCCTCTTAAC TCATCTCGAATCTCTCTCATACAT
6967	Table 1	NA	466H5	-1	CTCTTATCCTGCTCTGCCCTGGAAC TGAACCCAGTGCCAACTACTCATG
6968	Table 1	NA	466B7	-1	CGACCTAATCTCTGTCCCAAGAAGGC AGACCAGGACTCCAGCCCCAGGAG
6969	Table 2	NA	466B10	-1	GCCAAATCTTTGTCTGTACAAAGTA CAGATGTTTTGACTGAAGTTCCA
6970	Table 1	NA	466C9	-1	GCCACAGTGAATAAATACAAGGCAAG GCTCATAGGTAAAAACAAGTTCTAT
6971	Table 1	Hs.7187	mRNA for KIAA1757 protein, partial cds /cds=(347,4576)	-1	AGTGGAGTGTTTACACCTTGCTGTAA CATTTGAAGTTTACAGAGATGT
6972	Table 1	NA	121F1	-1	AAACCCACCCATCATTTGCCCTGACT ACCCATCTCCCGATTAAATTCACCC
6973	Table 1	NA	121A11	-1	AGGGAACAGAGCCAGGATTTAAACTC TAACAATTTGTCTCCACAATTGCA
6974	Table 3A	NA	121F8	-1	CTCCTGGCAGCAGCACTAGTAGTT TCCATGTCTTGAGGACATAGGTCC
6975	Table 1	NA	178B2	-1	TCGAACCTGTCCAGGTATGCTGATA GATGTGCGTAGGGCATCCTTAATT
6976	Table 3A	NA	178B5	-1	GAGGTAATAAACCAGATGCCCAAA ACACCTGCCCTCCTGGGTGGCCG
6977	Table 1	NA	178F5	-1	ACATTATCTGTCTTCCACTGAGGTCT GAGTCTTCAAGTTTTACCCCAAGC
6978	Table 1	NA	178C12	-1	TTAGCCCTTTTCTGCGCTAATTAGAAT TTCAAGCGTCACAGAGCCTGGGG
6979	Table 1	NA	462A11	-1	TTCAACGAGGTGAACCAAGTGTGATGT CTGTGGGGAAAAACAGTAGTCAGG
6980	Table 1	Hs.13231	od15d12.s1 cDNA /clone=IMAGE:1368023	-1	GGAAAAAAGAAATTTCTGAGATTTT CAGTGTATACAGAAAGTGTCTTTCCAT
6981	Table 1	NA	462D9	-1	GAGTTCACGTGGGGTGGCCCTCCTC AGTGCTCTTAGGGTACTGTACTGTC
6982	Table 1	NA	462E8	-1	CCACCTTCGAGGTCCCTTCCGGCCTA AGATGCCTGAAATCTCCAAGGAAA
6983	Table 1	NA	462F9	-1	ACAAGGCAAGCTTAAAGAAACACTA AACGAATGAGTGAAGAAGCGGAG
6984	Table 1	NA	462F11	-1	TTCTCAATAACAAACCCAGGGCTTTC ATAAATGCATGATCAAAATGTGGA
6985	Table 1	NA	462G12	-1	ACAGAAAAAGGGTGTATATCAGCAT TACGCTGATTCAGCAGAAAGATAGC
6986	Table 1	NA	462H9	-1	TCTCGACTGACACCCACTATAAATTC CCTGGGTTGAAAACTTTTCTTTT
6987	Table 1	NA	472B1	-1	TCCAAACCCCTCCATTACAATCTAAC ACACTTCCCCCTACATCGTCTCCT
6988	Table 1	NA	472C1	-1	GCATTATTTTCTTCTACAGAGAACCT GGCGGCTGGGTCTGGGAAGAGC
6989	Table 1	NA	472E6	-1	ACCCACAATTAGTGAGAGTGCCCTTG AGCTTGAGATCCCATTCCTCCTT
6990	Table 1	NA	472F4	-1	TGGATATAAAGTGTGTGTTCTGACAG AAAATGGGGAGAAGGTGGCTATTT
6991	Table 1	NA	472G2	-1	GCCAGAAAATCCTGGTTTCCCTGGTG TCCCCTCCAATCTCTTTACCAA
6992	Table 1	NA	472D7	-1	CCATTGTCGCCCCGAGCTGGAAGA TAGTTTAGAGAATGCCTTAGCACTT
6993	Table 1	NA	472G12	-1	CAGCACCCAGTACAGGTATGCAGGA AGGACTCGCTTGACTTAGAGAGTGG

Table 8

6994	Table 1	Hs.75354	mRNA for KIAA0219 gene, partial cds /cds=(0,7239)	-1	AACACACCAGAAGGAAAAGACACAGA CAGGGAATGAAGCCTGCAAGTCC
6995	Table 2	NA	64G9	-1	GTAACCTAGTGCCCCCAAAGATTTCAT AGTCAGCAGGATTGGCCAGCAAAT
6996	Table 1	NA	467E5	-1	CGCCCCAAATATAAAATCTCAATACC AGTTCCTTTTCCCCAGTACCCAG
6997	Table 1	NA	467A8	-1	AGTCACAGGATGTTCTCTGCACCTCA TCTGCAACTCTGAGCCTTACTCAA
6998	Table 1	NA	467C9	-1	GTTAGAGCCCTCGTGCCCTGCTTCTT CAGCTACCATTTCTCTCTGTGACC
6999	Table 3A	NA	467F8	-1	CCACCACAACCACACACAAAAAGT CAACCCACACGAATATACCGGAAA
7000	Table 1	NA	468E6	-1	CAGTTGGGCTGTTAGTAGTCTGTAC ACAGGTGAGAGGAGCAAGAGATCC
7001	Table 1	NA	468B9	-1	AATCTATTATCAGGCATTTAATCACTG AGCACTCTTCTGTCCCACTGT
7002	Table 1	NA	468E10	-1	AGAGGAGTGACGGTGAATGGTACTG AAAGCGGTGTAAATTGCGAGAGAG
7003	Table 1	NA	468F10	-1	TCTCCTGTCTGATTCTCTCCCATC TACAACAACCTCCACTCCCCAAG
7004	Table 1	NA	468F11	-1	CACCTAACCAAGCGGGTTGGGCTGA TGACCGATGACCGTAAGCAGTAAGG
7005	Table 1	NA	468G12	-1	ACCTCTTCTTTAGCAACATAACCAC TCCACACTGGGGAAATTATACTCT
7006	Table 1	NA	468H11	-1	ACTACCGCACACAGAACACATGACC AGGTGAGTGACAGACGACATCAG
7007	Table 1	NA	469B6	-1	CAGTTTTACTCTGTCTCTCTTGT GAGTGTGGATTCTTCTCTGCCCT
7008	Table 1	NA	469D2	-1	TTTTATTTGGCTGAAGTTTGGGTATG GCTGCTTGTGGCCTCTGCTGGG
7009	Table 1	NA	469A10	-1	ACAGCTTATAAAGCACTTTCTCATGC ACTTCTTCTCGCCGTATTTGCACA
7010	Table 1	NA	469E12	-1	GGGGCTCAAACCTGTGACTTACTGCT AACTAACATCAAAGGAAAGCTGG
7011	Table 1	NA	469F8	-1	ATGATCATTGATAGATATTCTAAGAG CATGCAGGAATGAGGATGCGTGCC
7012	Table 1	NA	469G8	-1	GACAACAACCTGCTTGCTTGGTTAC CCACAGCGCACTGAGTATAGAAGT
7013	Table 1	NA	470B2	-1	TCTTCAATTATTCATGCTCTAAGGCA GTGTCTGTCTTCCACCATCCCGC
7014	Table 1	Hs.118174	tetratricopeptide repeat domain 3 (TTC3), mRNA /cds=(2082,7460)	-1	TGAGTATTTTTAAATCCCTGTTTGG ATGCTTCCAGCTAAATAGTCTACCT
7015	Table 1	NA	470C3	-1	TGGGTTTACTCAGATCTTCTCCTCTT AAGTGAGAGTTTTAACCTACATTTT
7016	Table 1	NA	470D5	-1	GTCCAGAGCTAGAAGAACCAAGTCTT CCTTTCTTCATTCTTGTTCAGGT
7017	Table 1	NA	470E1	-1	CTTCTTCTTAGGATCTGGAGGGAGGG GAGTGTTAGAGCTTGTGAGCCATG
7018	Table 1	NA	470E5	-1	CTGAACGAACCAAGTTCTTTGGACTA CCAGTTCTTGAAGTGAAGCTCAGA
7019	Table 1	NA	470F3	-1	AACAAAGCACTGACAAGCTCATATG AACAGGCTAAAAAGTGAGTGAAGT
7020	Table 1	NA	470G6	-1	TTCTCTTCTATATCTAGCTAAATTGC CTGTGCGCTCCCATCCTCCTCA
7021	Table 1	NA	470B8	-1	ACACACTTGATAAATTAGACCGATGC AAACCGCAAGAAATCCAAATCAGCT
7022	Table 1	NA	470G10	-1	ATAGTAGGTGAGCCAGTAGTGTGAAT GCTTGTCAAGCTTCCAAGGATGGA
7023	Table 1	NA	471D6	-1	AACCACCAACCAAGCTTCTGGTACAA GCAGGGACTCTGGCTACAGTGCTA
7024	Table 1	NA	471F1	-1	TTTCCTCCCTCCCTCCCAATCCAC AAAACACGTAATTCTGACTATCCA
7025	Table 1	NA	471F4	-1	CAACATTACAAAACTGGTCCCGAA TTAGTGAGAAGTTCCAGGAGTGC
7026	Table 1	NA	471F6	-1	GAGAGATTATAGCAGTCTCCAGG GCTCAGTCAGGTCATCCGCAGCAA
7027	Table 1	NA	471E9	-1	TTCAATGCTTTGCTCCCTCGCAG ATGTTTAGAACAGATCCTCCTTCT
7028	Table 1	NA	471E11	-1	TCCCTCTCTCAGGGCTGGGAAAGAAA GGTTCATCTTCACTCAGATGCAAG
7029	Table 1	NA	471H11	-1	TTCTGTTGGTCTGCCAGCTCATCCAT TCATCCATCACCTGCCAGCTAGAC
7030	Table 1	NA	473E4	-1	ACACAGTTTTGGCTCCCTTATTTTCC CCGTACTCGAAACATTTCCATGCA
7031	Table 1	NA	473F3	-1	ACCAAATCGCAAAATACAGAATGCC TGTAATTGAGTCACACCTTAAAA
7032	Table 1	NA	473E11	-1	GAGTCCATAAATCTGCATTTTCATGTA GTTGTAAGACTTTCTCCAAAGGT
7033	Table 1	NA	476C1	-1	TCCATTTGAGTTTTCTCCATCTCTC ACAGTTGATTGTTCTGTCCCTTC

Table 8

7034	Table 1	NA	476D3	-1	AAAATTCAGCCCTCCTGGATTACGTT GCCCAATGAAAGTCCCCAACTAG
7035	Table 1	NA	476F5	-1	TTTAACAGGAAAAGCCCCAAATTTATTT TTATGCTGTCTACAATCTGGGCC
7036	Table 1	NA	476G3	-1	AGTTGCACTGGTTGTTCTTGGCTGCG GTGCTTCTCACACAAGAAGCCCAG
7037	Table 2	NA	476G4	-1	TTTCCTTTTTCCCTTGTCCCTTGGCTT CCCCCATCACC GAATCCCCCTTC
7038	Table 1	NA	476A10	-1	CTCCCACGCTGGCCGTAGTCCAGA GCTTCTTCTTTTTTCATGGTTGGGTT
7039	Table 1	NA	476G8	-1	GCCAGTGTACGTTGCCAGGCATTTC A TGTAAGAGAAAAC TCAAATAGCCA
7040	Table 1	NA	476H10	-1	CCGTCTTCTTTTGGGTGTTTCCTCCT AGTTTCGGCGGAAATCAGAGTTCA
7041	Table 2	NA	477E1	-1	ATGAACCCTCACCTGCTCTGCAGTGC AGTTTTGATTTTAGTCCCAGCAAA
7042	Table 1	NA	477E6	-1	AGATATAGATGGTAAATGTGATGCA ATGTAAAAAATGGTAATACACACAC TCTCCA
7043	Table 2	NA	477A11	-1	TGAGTGGGCTTCTCTTATGGTACAGT CTCTTCTCTATGAGGGGCTTCAAA
7044	Table 1	NA	477D9	-1	TGGGCTTCCAAATGGTACAATGGAGT AATCAAGCTCATGGACTGAGAGTT
7045	Table 1	NA	477D10	-1	CTTGAAGCTACTTGTCCCTTCTGTG CCAGACCACTTAATGGCTACCCAC
7046	Table 2	NA	480A3	-1	TTCCCAGGGCGCTCCATCTACAGCCT TACTGTGACTCCACTCAGCACCAG
7047	Table 1	NA	480B5	-1	ATTCCCCCTAAGCTCCTGTCCCCCGC CATGCACGACTGGTCACATCAAAA
7048	Table 1	NA	480D2	-1	AAGACACACCCCTCCTGTTTAATAAA AGTTGTCCCTCGACATGCATAAT
7049	Table 1	NA	480E2	-1	CCTGGTTACAATAATGAACTGTCTG GGAGTAAAGAGGGAAACATGACCA
7050	Table 1	NA	480E3	-1	AGAACCCACACACTGGGAGACAATAA CTGCCATTATATAACCAACAGAA
7051	Table 1	NA	480F3	-1	CGCCACTGCTTAAAGATTACAGACAA TTCCCAGGTAAAGTTGCCAGGACT
7052	Table 1	NA	480G4	-1	ACAATGATGTTTGAACGCACTCTGA ATCTGTGAAAGCTAGATAAGTCCT
7053	Table 1	NA	480C8	-1	GCCTTCTCTCTCCTCCTTGGGCC TATGTCCTAGATAAGCCTGTTAAA
7054	Table 1	NA	480D9	-1	TGCAAGATGACAGATCTTAATCCAG AGTGGAGGCTCGTTCCGGCCTGGAG
7055	Table 1	NA	480E7	-1	TTTATGTTTCAGCCTCTTTCTCTCCCG TTGAGTCTGCCACAAGTCTCTGC
7056	Table 1	NA	480E11	-1	ATTGTCCAGGTGACTTGACACTTGGC TACCGGAAAAGTTGGGATGTTCTT
7057	Table 1	NA	480F8	-1	TAAATATGCCCTAATTTAAAGGGCG CAGGGTCCCACAACAAGCCACAGA
7058	Table 1	NA	487F11	-1	AAATCTCTTCTCAGTTCTGTTGTCA TTTAATCACCAGGTTTTTAGCGC
7059	Table 3A	NA	499G1	-1	GCTACTGATGGGTGGCCCTTTATTCT TGTCTTTTATTGTTGTGTGCAGGA
7060	Table 1	NA	518F10	-1	AAAAATTGGTAGCTGCCCCATGTGG TATGATGTTTAAATTTGAACAACAT
7061	Table 3A	NA	524A12	-1	ACCCGGCACGTCTCCTCAACCCCTTA ATTCTTTTCCAGCTTTTTCATATTA
7062	Table 1	NA	526B9	-1	CTCAAGAGGGCATAGACATTCCACAC GAGGACTGCATTGCTCAGGGTAAC
7063	Table 1	NA	583B5	-1	AACAAATACCCAATTAAGTGTATCC CTTTCCCCTATGACTGCTGGTGT
7064	Table 1	NA	583D6	-1	CCGTTGTCCGAAAGCTTGCTTCCAAC TAAAGACCAGAGATGGGAGGGAGT
7065	Table 1	NA	583G8	-1	TTTAGCCCAAAGAAGACTTTTCGCATA AATTCTGCCGTAACCTTGTTGGA
7066	Table 3A	NA	584A1	-1	CAAAGCAGCAATACAGAGCACACAA CAATCCTTGGCCTGAGCAGAACAA
7067	Table 1	NA	584D3	-1	ATATGAAGATGGATTGGATGAGGACT GACAAAACGAAGACATGCCGGGCC
7068	Table 3A	NA	DNA sequence from clone RP4-620E11 on chromosome 20q11.2-12 Contains t	-1	ATGCCTAGTCAGTCAGTATTTCTTCTT GCTGCAGGTGTCTAAAAACCCAC
7069	Table 3A	NA	591H9	-1	CCTTCGCATTCCCCCATCCATGCTCC AAGATAATAGATTTTCTTTAAAA

Table 8

7070	Table 3A	Hs.6179	DNA sequence from clone RP3-434P1 on chromosome 22 Contains the KCNJ4 gene for inwardly rectifying potassium channel J4 (hippocampal inward rectifier, HIR, HRK1, HIRK2, KIR2.3), the KDELR3 gene for KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3, the DDX17 gene for DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 17 (72kD), ESTs, STSs, GSSs and six putative CpG islands /cds=(307,2259) 602388170F1 cDNA, 5' end /clone=IMAGE:4517129 /clone_end=5'	-1	GGGGAACACTTTGGTTTGAAAGCACAGAGCAGTTTGCCATGTTTCTCTG
7071	Table 1	Hs.44577		-1	ACTGAATGGTCGAAATCACATATGCA CCACACATACTGATCTTAAGTAAC
7072	Table 3A	Hs.108124	cDNA: FLJ23088 fis, clone LNG07026 /cds=UNKNOWN	-1	CGAGGTACAGCAAAGCGACCCCTTGG TGTCATAGATCAGACGGAAATTCTC
7073	Table 1	NA	119F12	-1	TACAGAGAGCAGACAGACCAACCTTCT CAAAGTTGGTGAGTATTAACCCAG
7074	Table 1	NA	119G10	-1	CCAGATTTGCTGATGTGTTAGGTAGT TGTGGCACTCACCTGTCTTTCC
7075	Table 1	NA	485A6	-1	CTTTCCAGGTTTTCCCTTTCCGCCAT TGTTTTCCCGCTCGCTAAAGTGAC
7076	Table 1	NA	485D5	-1	TTGAACATTGCGAAAGTAACATCTCT CACTCCCAACACCCAGCTTTATCG
7077	Table 1	NA	489H9	-1	AGTAACCACCAAAGCATAGTTTTAGA AGGGCTTTGCGAAACCTAGCCTTT
7078	Table 2	NA	494B11	-1	TCTTGCTTGTTCTTCTCGTTTTTGTT TATCTTCCGCCCGGCAGGGTCAG
7079	Table 1	NA	478E5	-1	GCTCTGAAACCCCTGGAACCTTTGAG CCTAAATGTATTTTACAATCTT
7080	Table 1	NA	478G6	-1	ATCTTTGATGTGAAGCCCTTAAAAAT AAACGTGAAGGTGCCAGCTTGCA
7081	Table 3A	NA	478H3	-1	ACCCAGCCTGATGTTTCATCTTTTCCC CCTCTTCATTTTCTTCTTTGTT
7082	Table 1	NA	478C7	-1	AGAAAGACTAACACCAGAAATCATGC TGCAACACCAGAACATCCTTTGGA
7083	Table 1	NA	478G8	-1	TCACAAAATATGGCTCAAGGAGTATA AATCCCCTCTCACGCACCCACAAA
7084	Table 1	NA	478H7	-1	ACTAACCAACCAATGAGAATACTACT TACCTCCACCCATGCTGTGAACCC
7085	Table 3A	NA	479B4	-1	TGACCGCCTCAAAGACCAAAAGGACT CTACTCCATATTCTTCTCACTGTC
7086	Table 1	NA	479D2	-1	GAATGACCACCTGACGCATTGAGAGC TCACCTTCTTGTCTTCACTGTT
7087	Table 1	NA	479G2	-1	TTGGTAGAAACCAACCAACCAATAAAA TTCCCAAGCCTGTAAGGTGAGCC
7088	Table 1	NA	479G3	-1	CATAAGTTGGGTGAAGAAATGGTGGT TTTAATCAGTAATATAGCTCCCC
7089	Table 1	NA	479G5	-1	TTCTCATCTCAATATCCCCAGAGCC CCAGTACCTCATAATACAAGACTT
7090	Table 1	NA	479G6	-1	CTATCAGGCCCTCCAGATAGCTTCT ATAAACCAATGATTGAGCAGGACT
7091	Table 1	NA	479H4	-1	TACCCAAAGTCTATTGTAAGTGAT CTTTTCTATTAGACTGGAAGCTCC
7092	Table 1	NA	479H5	-1	GATGGTTCAGCAACTGAGGAGCTCA GGGTGACGGGTCCACAGAGCACAGA
7093	Table 1	NA	479H6	-1	AGAAATTAGAAGATGACTACCATTG CTAAAGTCTATCCACATGCCAGCA
7094	Table 1	NA	479G12	-1	CCCCCTCGACCCCTCACACCTTTTC CAGAGAGGCCTTAAGATTCCCATT
7095	Table 1	NA	479H12	-1	TGTAAGGTTTCATAAATTTAGAGACC CTAGCCAGTCAGTGACAATATGCA
7096	Table 1	NA	482A5	-1	GAGTTGCTTATTCAGTCTCTCTAAG ATATATCTCCCTTTTAGTTGCTGAC
7097	Table 3A	NA	483G5	-1	TGGTGTAAATGAACATGCCGATTGCC TTTATGGCCAGTTTGAGTCCTTCC
7098	Table 1	NA	486C4	-1	AGGGAACCCCAAAGAGTTAAACCAG GACCACTATTTTCATAGTCAACAAA
7099	Table 1	NA	490F10	-1	GTGGTAAATGAGAGCATTACAGACCA CCCACATCAGCCTAAAATATAATT
7100	Table 1	NA	493C2	-1	CCACCAAACCCCAACAGGCCGGGACA AATGCAATACCATACAGAAACACAG
7101	Table 1	NA	58G4	-1	GGCCAAACTTTCTTACTCTGCCATTT GTTCAATGTCCTAATGAGCATGAA
7102	Table 3A	Hs.169370	DNA sequence from PAC 66H14 on chromosome 6q21-22. Contains FYN (P59-FYN, SYN, SLK) gene coding for two isoforms. Contains ESTs and STSs /cds=(12,1706)	-1	ATCAATCGGGCAATCCGAAGTCAGC AATCTTGCATATGAGTCCATTCCC

Table 8

7103	Table 1	NA			598H2	-1	TATTTTAAACAAAATCACACGGAAGG ATTTCCTTCCCGTCCCATGTGTTG
7104	Table 3A	NA	AA077131	1836605	7B08E10 Chromosome 7 Fetal Brain cDNA Library cDNA clone 7B08E10, mRNA sequence	-1	CAGATAGTGGTATTTTGGGTGCTGGG CTTGTCTGACCTGAGGAGGTGGCTG
7105	Table 3A	NA	AA501725	2236692	ng18e12.s1 NCI_CGAP_Lip2 cDNA clone IMAGE:929806 similar to contains Alu repetitive element, mRNA	-1	AACTCCATAGAGAAAGACTACGAATT TCGCTGGGAGGTAATAGGGAAGCC
7106	Table 3A	NA	AA501934	2236901	nh56a10.s1 NCI_CGAP_Pr8 cDNA clone IMAGE:956346, mRNA sequence	-1	GCATTTAGGAAAGACAGGTGAGTGTG CCACAACCTACCTAACACATCAGCA
7107	Table 3A	NA	AA579400	2357584	nf33d05.s1 NCI_CGAP_Pr1 cDNA clone IMAGE:915561 similar to contains Alu repetitive element;contains	-1	TTACTTTGTCTTCTCTCACCATCCTAA AACGTTGTTTTGCTGAGCATGAA
7108	Table 3A	NA	AF249845	8099620	isolate Siddi 10 hypervariable region I, mitochondrial sequence	-1	CCCCAGACGAAAATACCAAATGCATG GAGAGCTCCCGTGAGTGGTTAATA
7109	db mining	Hs.277051	AI630242	4681572	ad07c09.y1 cDNA /clone=ad07c09- (random)	-1	GCCTAAGTTTCCAGAAGACTTTGACG ATGGAGAGCATGCAAAGCAGGTAA
7110	db mining	Hs.277052	AI630342	4681672	ad08g11.y1 cDNA /clone=ad08g11- (random)	-1	TTTTGCAGTTCAAGGATTGGTGGGAA ACGTTTGTATGTGTGTGGGTGGGG
7111	db mining	NA	AI732228	5053341	nf19e05.x5 NCI_CGAP_Pr1 cDNA clone IMAGE:914240 similar to contains Alu repetitive element, mRNA s	-1	AATAGATTTCATTTCTTCTTCGAGT TAGTTGGGTATTGGGACCTTGAA
7112	Table 3A	NA	AW379049	6883708	RC3-HT0230-201199-013-c12 HT0230 cDNA, mRNA sequence	-1	CGACGGTGTTCTGGAGTTTCGATGAG ACATGTAAGTAAGAGTTCTGTGCA
7113	Table 3A	Hs.232000	AW380881	6885540	UI-H-BI0p-abh-h-06-0-UI.s1 cDNA, 3' end /clone=IMAGE:2712035 /clone_end=3'	-1	ATATTTCAGAGTGGCTGTGAAATTGG ATTTGAATTACCGGGATACATGCA
7114	Table 3A	Hs.325568	AW384988	6889647	602386081F1 cDNA, 5' end /clone=IMAGE:4514972 /clone_end=5'	-1	ACTGGTTTTCTATTCTAGTGTCCCCCA CCCGTCTAGTTTCATTTTCTGTA
7115	Table 3A	NA	AW836389	7930363	PM0-LT0030-101299-001-f08 LT0030 cDNA, mRNA sequence	-1	TTGGGAGTCACCAGGTTAAAGCAAAG CCTCAGTCACTGAAAGCAGAAACT
7116	Table 3A	NA	AW837717	7931691	CM2-LT0042-281299-062-e11 LT0042 cDNA, mRNA sequence	-1	TCCTGTGCTCCAGAATTAGTGATTGC TTTGGTGCTTAACCTGAAGTGGGA
7117	Table 3A	NA	AW837808	7931782	CM1-LT0042-100300-140-f05 LT0042 cDNA, mRNA sequence	-1	CATCTGCTCTGCTTCTCTCACACACTA GAAACACCACTGCCCATCCATG
7118	Table 3A	NA	AW842489	7936472	PM4-CN0032-050200-002-c11 CN0032 cDNA, mRNA sequence	-1	TCTGTGATTATAGACTGTTTTCAGGA AACGATCTTCCCATCTGTGGTGA
7119	Table 3A	NA	AW846856	7942373	QV3-CT0195-011099-001-c09 CT0195 cDNA, mRNA sequence	-1	TCATTTCAAGTCTAATAAACACACTAA CCTCGGCAGCACTGGAGCGTCTG
7120	Table 3A	NA	AW856490	7952183	PM4-CT0290-271099-001-c04 CT0290 cDNA, mRNA sequence	-1	AGCTTAGGATATCTATTAGTGTTCACCT GTTCCGGCAAGAGCCCTAAAGGG
7121	Table 3A	NA	AW891344	8055549	PM2-NT0079-030500-001-a04 NT0079 cDNA, mRNA sequence	-1	TGGGAACACACTGGCCATTATATAG AGAAAAATAAAACATGATCCCCAT
7122	Table 3A	NA	BE061115	8405765	QV0-BT0041-011199-039-f09 BT0041 cDNA, mRNA sequence	-1	TTGCTTGATTTCCTCAACCACTACCT GAAGGTGGCTTATGGTCTACAGCT
7123	Table 3A	NA	BE086076	8476469	PM2-BT0672-130400-006-h09 BT0672 cDNA, mRNA sequence	-1	TTCCACCACCTCAAGACTGGGGGCA GGTAGAGAAGACAAGCATAAGTACA
7124	Table 3A	NA	BE091932	8482384	IL2-BT0733-130400-068-C11 BT0733 cDNA, mRNA sequence	-1	TTCTTCTCTGCCCTTAACAGAATGTT CTTCTCTTGCTTCCCAACCCCTCC
7125	Table 3A	Hs.173334	BE160822	8623543	ELL-RELATED RNA POLYMERASE II, ELONGATION FACTOR (ELL2), mRNA /cds=(0,1922)	-1	CAGCACATCTTCTGGTTTACAAGTTG GGTAACATATGAAAGCTGGAGATGC
7126	Table 3A	NA	BE163106	8625827	QV3-HT0457-060400-146-h10 HT0457 cDNA, mRNA sequence	-1	TATCTAAATTCTACCTTTAGCATCCAA CTAGCTACCGTCTGGCACTGGCC
7127	Table 3A	Hs.301497	BE168334	8631159	arginine-tRNA-protein transferase 1-1p (ATE1) mRNA, alternatively spliced product, partial cds /cds=(0,1544)	-1	TCCAATGCTCAAGTCACTCTGAGTCT TTGCTGGTGTCAACCTACAATGCC
7128	Table 3A	Hs.172780	BE176373	8639102	602343016F1 cDNA, 5' end /clone=IMAGE:4453466 /clone_end=5'	-1	ACCTCACTATAGTAGCCATTAGGTAA AGATGGGCCATATCCAAATGGGCT
7129	Table 3A	NA	BE177661	8656813	RC1-HT0598-020300-011-h02 HT0598 cDNA, mRNA sequence	-1	AAGAACTATTCTTTGAGAATCTTTCC TACTGGGAGTTACTGCTGTGATT
7130	Table 3A	NA	BE178880	8658032	PM1-HT0609-060300-001-g03 HT0609 cDNA, mRNA sequence	-1	TCTGTGTGAACATACATACAGGACTT TGATTCTACCTGTGCCTGACCAAT
7131	Table 3A	NA	BE247056	9098807	TCBAP1D6404 Pediatric pre-B cell acute lymphoblastic leukemia Baylor- HGSC project=TCBA cDNA clone T	-1	GTGGAGCTGTGGCCTTGCTGGATG CGGGCACTCTACACCTTCAGGTA
7132	Table 3A	Hs.11050	BE763412	10193336	mRNA; cDNA DKFZp434C0118 (from clone DKFZp434C0118); partial cds /cds=(0,1644)	-1	TGTCAGTGGCTCTCACTTTGTTTGAA ATTGTTGCTTTGGGAAAAACACAG
7133	Table 3A	NA	BF330908	11301656	RC3-BT0333-310800-115-f11 BT0333 cDNA, mRNA sequence	-1	GATGCAGTGGGTTAGGGGTTGGGGG TACAGACTGACTTGAGCTCGGAGTC
7134	Table 3A	NA	BF357523	11316597	CM2-HT0945-150900-379-g06 HT0945 cDNA, mRNA sequence	-1	TCAGGCACTCAGTAAAGGCAAGACTT GAGTGATACATAAAGTCAGTTACA
7135	Table 3A	NA	BF364413	11326438	RC6-NN1068-070600-011-B01 NN1068 cDNA, mRNA sequence	-1	CGTTGGGCTGAGTTTGCTGGTCTGTA ACATTACAGTTTTGGTTAGAGAGA

Table 8

7136	Table 3A	NA	BF373638	11335663	MR0-FT0176-040900-202-g09 FT0176 cDNA, mRNA sequence	-1	ACAGCAAACAAAGTGTTCGAATCCTC TATTAACCCATTTTAAAGCAAGAGTT
7137	Table 3A	NA	BF740663	12067339	QV1-HB0031-071200-562-h04 HB0031 cDNA, mRNA sequence	-1	AGTGCAATTCACACTGATGATAAACGA TAGTAGCTTCACAGGTTTGCTTCT
7138	Table 3A	NA	BF749089	12075765	MR2-BN0386-051000-014-b04 BN0386 cDNA, mRNA sequence	-1	AAGTGTGATTAGAAGCAGCTGGAAGT AGCAGAGGAGGTGGAAGTTAGTCC
7139	Table 3A	NA	BF758480	12106380	MR4-CT0539-141100-003-d05 CT0539 cDNA, mRNA sequence	-1	CAGGAGTAAACACAGAGCTGGTTGTG TATACCTATGCTGGGTGGAAGACT
7140	Table 3A	NA	BF773126	12121026	CM3-IT0048-151200-568-f08 IT0048 cDNA, mRNA sequence	-1	GGTGACTATCTTACCGCTCCAGTA AACTCTGAACAATGTACCAGCTAA
7141	Table 3A	NA	BF773393	12121293	CM2-IT0039-191200-638-h02 IT0039 cDNA, mRNA sequence	-1	GCTTGAAGATGTCTCAACAGAAAATC ACCGACATGAGGAAGCATCACGCT
7142	Table 3A	NA	BF805164	12134153	QV1-CI0173-061100-456-f03 CI0173 cDNA, mRNA sequence	-1	AGGAACATGGCTGCAGCATATAAAAA GAATTGAATTCATACTTTTGTAAACC
7143	Table 3A	NA	BF818594	12156027	MR3-CI0184-201200-009-a04 CI0184 cDNA, mRNA sequence	-1	CTG GGTGCTGCCATAGGTGCCAGTAATG ACCGTTTATGCGGAAATCAATTACA
7144	Table 3A	NA	BF827734	12171909	RC6-HN0025-041200-022-F08 HN0025 cDNA, mRNA sequence	-1	TGAAGTACTATTAGGACTCAATGGGAC CAGTAGCAGCTCCAAGTGGATCAC
7145	Table 3A	NA	BF845167	12201450	RC5-HT1035-271200-012-F08 HT1035 cDNA, mRNA sequence	-1	ACACGGGACCTCCTTTGATCTTTCTG AGAATTAATAGAGATTTCTAGCA
7146	Table 3A	NA	BF869167	12259297	IL5-ET0119-181000-181-b11 ET0119 cDNA, mRNA sequence	-1	CCAAAAGGAGAAAGATGACTAGGGT CACACTTGAGGATTGCGAGGTGGG
7147	Table 3A	NA	BF875575	12265705	QV3-ET0100-111100-391-c02 ET0100 cDNA, mRNA sequence	-1	GCATCTTCTTTGAAGACGGGAAGTGT ACTTCAGTTCTTTCTGTTTAGC
7148	Table 3A	NA	BF877979	12268109	MR0-ET0109-171100-001-b02 ET0109 cDNA, mRNA sequence	-1	GGCTCATTTGGTTTTAAAGTCTCTTCT ATGCCATCCCAGGGGAGGAGGAT
7149	Table 3A	NA	BF897042	12288501	IL2-MT0179-271100-254-C11 MT0179 cDNA, mRNA sequence	-1	GACTGTGGACACCTCTACTGTGTCT TCTTGGCAGGCAGAGCTTACTGAC
7150	Table 3A	NA	BF898285	12289744	QV1-MT0229-281100-508-e11 MT0229 cDNA, mRNA sequence	-1	GCAGGGTGACAGAGCTTCACAGCAGG TAGGAAGAAGTAACTAAGTGGAAC
7151	Table 3A	NA	BF899464	12290923	IL5-MT0211-011200-317-f03 MT0211 cDNA, mRNA sequence	-1	CAGCTAAAGCCGTAGGTCAATTGTGAC TGTCCCTGGGATGTGGATTACTCT
7152	Table 3A	NA	BF904425	12295884	CM1-MT0245-211200-662-d02 MT0245 cDNA, mRNA sequence	-1	CCAGAATGCAGCCTACAGACCAATA TCAATGGACTTGGTGTAGCCCTGC
7153	Table 3A	NA	BF906114	12297573	IL3-MT0267-281200-425-A05 MT0267 cDNA, mRNA sequence	-1	TTTAAACCAGGTCTGGAAGAAAGGAAG GAGAGGAGGGCATTITAGAGAAGA
7154	Table 3A	NA	BF926187	12323197	CM2-NT0193-301100-562-c07 NT0193 cDNA, mRNA sequence	-1	GTGGCTTCGTAAATAGAAGAGCAGT CACTGTGGAACACCAATGGCGA
7155	Table 3A	NA	BF928644	12326772	QV3-NT0216-061200-517-g03 NT0216 cDNA, mRNA sequence	-1	CACACCAGAGCTGGCTGGGAGCAGA GGCTGCTGGTCTCATAGTAATCTAC
7156	Table 3A	NA	BG006820	12450386	RC4-GN0227-271100-011-d03 GN0227 cDNA, mRNA sequence	-1	TGGAGAAAATGAGAGACAGACAGTG AGTGAGAAAGTCAGCGAAAAGGAAA
7157	Table 3A	NA	F11941	706260	HSC33F051 normalized infant brain cDNA cDNA clone c-33f05, mRNA sequence	-1	ACCTACTGTTGAGATTATCCCTGT CTCCACACTGCCAGAACTTACCA
7158	Table 3A	NA	U46388	1236904	HSU46388 Human pancreatic cancer cell line Patu 8988t cDNA clone xs425, mRNA sequence	-1	CCAAATGATACTAGGATTAAGCCCCA AAGCAAAGTCAAGCACCACCATGG
7159	Table 3A	NA	U75805	1938265	HSU75805 Human cDNA clone f46, mRNA sequence	-1	TCCCAGAGCAACAACCTAAGTCTCAAC TAATGGACAACCAACCCCACTGA
7160	Table 3A	NA	W27656	1307658	36f10 Human retina cDNA randomly primed sublibrary cDNA, mRNA sequence	-1	CCACAGAATGGGCATGTAGTATTGAG ATTTGAATCATCTGCTGTCCAGCC
7161	db mining	Hs.661	NM_004146	10764846	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7 (18kD, B18) (NDUF7), mRNA /cds=(22,435)	1	ACCTCATCCGGCTGCTCAAGTGCAAG CGTGACAGCTTCCCCAAGTCTCTG
7162	db mining	Hs.943	NM_004221	4758811	natural killer cell transcript 4 (NK4), mRNA /cds=(59,763)	1	GACCTGGTGTGCTGCGCCCTGGCATC TTAATAAAACCTGCTTATACTTCCC
7163	db mining	Hs.1063	NM_003093	4507126	small nuclear ribonucleoprotein polypeptide C (SNRPC), mRNA /cds=(15,494)	1	GCATAAGGAAGACTTGCTCCCCTGTC CTATGAAAGAGAATAGTTTTGGAG
7164	db mining	Hs.1321	NM_000505	9961354	coagulation factor XII (Hageman factor) (F12), mRNA /cds=(49,1896)	1	GGGACTCATCTTCCCTCCTTGGTGA TTCCGCAGTGAGAGAGTGCTGGG
7165	db mining	Hs.288856	NM_003903	14110370	prefoldin 5 (PFDN5), mRNA /cds=(423,926)	1	AGACTGGATCGCACACCTTTGCAACA GATGTGTTCTGATTCTCTGAACCT
7166	db mining	Hs.1975	NM_030794	13540575	hypothetical protein FLJ21007 (FLJ21007), mRNA /cds=(257,2212)	1	AAGCAAATACCTTTTACAAGTGAAAG GAAGAAATTTTCTTCTGCCGTCAA
7167	db mining	Hs.3804	NM_014045	13027587	DKFZP564C1940 protein (DKFZP564C1940), mRNA /cds=(565,1260)	1	GCAACAAATGCTTCTATTCCATAGCT ACGGCATTGCTCAGTAAGTTGAGG
7168	db mining	Hs.3832	NM_032493	14210503	clathrin-associated protein AP47 (AP47), mRNA /cds=(76,1347)	1	TCCGTGTAGAGGTTACAGCCTTTTAT GCTGTTGAGCTCCAGGTACCAAA
7169	db mining	Hs.4113	NM_006621	5729723	S-adenosylhomocysteine hydrolase-like 1 (AHCYL1), mRNA /cds=(47,1549)	1	GCCCACCTGGATTATAGTATAGCCC TTCTCGACTCCACCAGACTTGC
7170	db mining	Hs.83848	NM_000991	13904865	triosephosphate isomerase 1 (TPI1), mRNA /cds=(34,783)	1	AAGAGCTCCTGAGCCCCCTGCCCCC AGAGCAATAAAGTCAGCTGGCTTTC
7171	db mining	Hs.5076	AK025781	10438401	cDNA: FLJ22128 fis, clone HEP19543 /cds=UNKNOWN	1	GCTCAACATGGAAGAAAGGTACAGAA AGTGATGTGTTCAAAACATTAGCA

Table 8

7172	db mining	Hs.5298	NM_015999	7705760	CGI-45 protein (LOC51094), mRNA /cds=(182,1294)	1	TTATATACCGTGGTCCCATCTTTCTAG GGCCTGGATCTGCTTATAGAGCA
7173	db mining	Hs.5473	AW953785	8143468	602659796F1 cDNA, 5' end /clone=IMAGE:4802950 /clone_end=5'	1	GTTTACTCCGTCCTCATCACTGGTGT GGCTGTGGGCAAACCACTTATTGC
7174	db mining	Hs.5831	NM_003254	4507508	tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor) (TIMP1), mRNA /cds=(62,685)	1	GAACTGAAGCCTGCACAGTGTCCAC CCTGTTCCCACTCCCATCTTTCTTC
7175	db mining	Hs.5890	BF698885	11984293	hypothetical protein FLJ23306 (FLJ23306), mRNA /cds=(562,930)	1	GAAGACCAAGAGAGACAACAGACGC AGCAAACAGCCGAAGCACCAGACAA
7176	db mining	Hs.6211	NM_015846	7710138	methyl-CpG binding domain protein 1 (MBD1), transcript variant 1, mRNA /cds=(139,1956)	1	AATTCAGAAAATTGTTGGGAGGACAG CCCTTTTGTAACCTTGTGTTGGGG
7177	db mining	Hs.6285	AL080220	5262711	mRNA; cDNA DKFZp586P0123 (from clone DKFZp586P0123); partial cds /cds=(0,1067)	1	TTTACCCAGCTCTGAAGGTCATTGTT CTTGCCCTGTGTTTGAATAAAATCA
7178	db mining	Hs.6441	AL110197	5817115	mRNA; cDNA DKFZp586J021 (from clone DKFZp586J021) /cds=UNKNOWN	1	GTCTCTGATGCTTTGTATCATTCTTGA GCAATCGCTCGGTCCGTGGACAA
7179	db mining	Hs.6459	NM_024531	13375681	hypothetical protein FLJ11856 (FLJ11856), mRNA /cds=(239,1576)	1	GGTAAGCCCTGAGCCTGGGACCTA CATGTGGTTTGCCTAATAAAACATT
7180	db mining	Hs.6616	AL524742	12788235	AL524742 cDNA /clone=CS0DC008Y107-(5-prime)	1	TCTGGCTCTGACCGGTTGATGGCCTT GAGCGAATGAAATCATGAAATTGA
7181	db mining	Hs.6650	NM_007259	6005775	vacuolar protein sorting 45B (yeast homolog) (VPS45B), mRNA /cds=(33,1745)	1	TGCCCTACATAGCAATTTCTGTGGC ACTGAGAAACCATGTATGACCACA
7182	db mining	Hs.6763	NM_015310	7662395	KIAA0942 protein (KIAA0942), mRNA /cds=(52,1656)	1	GCAGTGTACTGTGTGCAATACCAAGG GCATAGCTCCCTGTAATTTGGGAA
7183	db mining	Hs.6780	NM_007284	6005845	protein tyrosine kinase 9-like (A6-related protein) (PTK9L), mRNA /cds=(104,1153)	1	CTGAGACTAGGGTCCCAGCACAGCC CAGAAACCTTTGGCCACAAGAAAGTG
7184	db mining	Hs.6817	NM_025200	13376793	putative oncogene protein hlc14-06-p (HLC14-06-P), mRNA /cds=(51,635)	1	TGCCTTCCATGGTTTTTAAATGCAG TAAATAACATTTCTGGATGAGACT
7185	db mining	Hs.7709	U79457	4205083	Homo sapiens, Similar to WW domain binding protein 1, clone MGC:15305 IMAGE:4309279, mRNA, complete cds /cds=(162,971)	1	GCTTTACCCCGCAGGACATACACAG GAGCCTTTGATCTCATTAAAGAGA
7186	db mining	Hs.7740	AF288741	14209837	oxysterol binding protein 2 (OSBP2) mRNA, complete cds /cds=(112,2748)	1	GGAATGTACCTCTCCCCAACACTGTT TTGTTAGCGAGCACCTTTTGACCA
7187	db mining	Hs.8108	NM_021080	10835268	disabled (Drosophila) homolog 1 (DAB1), mRNA /cds=(765,2426)	1	ACTCGCTCAGAAGAGGGAACCTAAGC ATTTTTGGCAACCAATGGGCAGATA
7188	db mining	Hs.8109	NM_022743	12232400	hypothetical protein FLJ21080 (FLJ21080), mRNA /cds=(127,1236)	1	AGCTGTGTGAACCTCTCTTATTGGAA ATTCTGTTCCTGTTTGTGTAGGT
7189	db mining	Hs.8207	NM_020198	9910241	GK001 protein (GK001), mRNA /cds=(184,1635)	1	AGTCCCATACATTTGGACCATGGCAG CTAATTTTGAACCTTAAGCATTCA
7190	db mining	Hs.226627	BC007375	13938462	leptin receptor short form (db) mRNA, complete cds /cds=(0,2690)	1	CTGCCCCCTTCTGGACTTCGTGCCT TACTGAGTCTCTAAGACTTTTTCT
7191	db mining	Hs.8768	NM_018243	8922711	hypothetical protein FLJ10849 (FLJ10849), mRNA /cds=(93,1382)	1	GGATAACATTTCTCATGAACCCACTG CCCCTCTGCATTTTCTCACTGGT
7192	db mining	Hs.8834	NM_006315	5454011	ring finger protein 3 (RNF3), mRNA /cds=(114,857)	1	CGCTTAAGAACATTGGCTCTGGGTGT CATGTGGACCAGACTTCTGAATAG
7193	db mining	Hs.9683	NM_006260	5453979	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor (PRKR), mRNA /cds=(690,2204)	1	GGGTTCAATCCCTTCAGCTCAGCCG GACCATTTAGATTTAAATTCACCT
7194	db mining	Hs.9825	NM_016062	7706342	CGI-128 protein (LOC51647), mRNA /cds=(35,526)	1	GCTCCTGCCAGGGCTGTTACCGTTGT TTTCTTGAATCACTACAATGAGA
7195	db mining	Hs.10590	AL031685	9368423	DNA sequence from clone RP5-963K23 on chromosome 20q13.11-13.2 Contains a KRT18 (Keratin type I, Cytoskeletal 18 (Cytokeratin 18, CK18,CYK18)) pseudogene, a gene for a novel protein, the gene for spermatogenesis associated protein PD1 (KIAA0757) and the 3' end of the gene for KIAA0939 (novel Sodium/hydrogen exchanger family member). Contains ESTs, STSs, GSSs and four putative CpG islands /cds=(2,688)	1	AATCTGGCGAAACCTTCGTTTGAGGG ACTGATGTGAGTGTATGTCCACCT
7196	db mining	Hs.11465	NM_004832	4758483	glutathione-S-transferase like; glutathione transferase omega (GSTTLP28), mRNA /cds=(9,734)	1	GACTATGGGCTCTGAAGGGGGCAGG AGTCAGCAATAAAGCTATGTCTGAT
7197	db mining	Hs.11538	NM_005720	5031600	actin related protein 2/3 complex, subunit 1A (41 kD) (ARPC1B), mRNA /cds=(80,1198)	1	AGGGAGGGGACAGATGGGGAGCTTT TCTTACCTATTCAAGGAATACGTGC

Table 8

7198	db mining	Hs.12707	AK023168	10434970	cDNA FLJ13106 fis, clone NT2RP3002455, highly similar to mRNA for KIAA0678 protein /cds=UNKNOWN	1	ACCTTCTGAAAGCTCACAGTACACAT TAGTATGTATAACTGGCTTTACCA
7199	db mining	Hs.12785	AL031685	9368423	DNA sequence from clone RP5-963K23 on chromosome 20q13.11-13.2 Contains a KRT18 (Keratin type I, Cytoskeletal 18 (Cytokeratin 18, CK18,CYK18)) pseudogene, a gene for a novel protein, the gene for spermatogenesis associated protein PD1 (KIAA0757) and the 3' end of the gene for KIAA0939 (novel Sodium/hydrogen exchanger family member). Contains ESTs, STSs, GSSs and four putative CpG islands /cds=(0,1313)	1	TTTAAGGGAGTCAGGAATAGATGTAT GAACAGTCGTGCTCACTGGATGCCT
7200	db mining	Hs.13323	NM_022752	12232416	hypothetical protein FLJ22059 (FLJ22059), mRNA /cds=(783,1967)	1	CCCACCTTCCACCTCTTAGCACTGGT GACCCCAAAAATGAAACCATCAAT
7201	db mining	Hs.13659	AL080209	5262698	Hypothetical protein DKFZp586F2423	1	AGACCAGCAGTGTTTAAATCTAAATA CGTTGTGAGTCTGTTATCTGTCTCT
7202	db mining	Hs.14089	NM_013379	7019510	dipeptidyl peptidase 7 (DPP7), mRNA /cds=(0,1478)	1	ACCTCGACCTCAGAGCCTCCCACCC AGAAGATCCTGCTTCCGTGGTTGAG
7203	db mining	Hs.16488	NM_004343	5921996	calreticulin (CALR), mRNA /cds=(68,1321)	1	GGGCAGTGGGTCCCAGATTGGCTCA CACTGAGAATGTAAGAACTACAAAC
7204	db mining	Hs.16580	NM_018303	8922829	hypothetical protein FLJ11026 (FLJ11026), mRNA /cds=(31,2355)	1	TGGCCTTAAGTTTCTAATTCAAGCGG GGTTTTGGAAAAATTTATGGTCT
7205	db mining	Hs.109438	AB028950	5689390	clone 24775 mRNA sequence /cds=UNKNOWN	1	TGCAGAGTTATAAGCCCAACAGGT CATGCTCCAATAAAATGATTCTA
7206	db mining	Hs.18586	NM_014826	7662135	KIAA0451 gene product (KIAA0451), mRNA /cds=(1482,2219)	1	CCAAACAATGATGTGGATTCTTTTGC ACAGAAATATTTAAGGTGGGATGG
7207	db mining	Hs.19575	NM_015941	7706261	CGI-11 protein (LOC51606), mRNA /cds=(233,1684)	1	ACAAAAGTCAACTGTGTCTCTTTTCA AACCAAATTGGGAGAATTGTTCG
7208	db mining	Hs.20529	AK025464	10437985	cDNA: FLJ21811 fis, clone HEP01037 /cds=UNKNOWN	1	GCTGGGGACTCTAGCCTCTGTGTTC TAAAGACATTAAAGAAAGTGGATGGA
7209	db mining	Hs.20725	NM_020963	14211539	Mov10 (Moloney leukemia virus 10, mouse) homolog (MOV10), mRNA /cds=(70,3081)	1	GGAGAATGACACATCAAGCTGCTAAC AATTGGGGGAAGGGGAAGGAAGAA
7210	db mining	Hs.343590	AB011104	3043587	601471579F1 cDNA, 5' end /clone=IMAGE:3874747 /clone_end=5'	1	ACCTGGGTTTAATACAGCTCACATCA CTGAATGTTACACATGAGTTTAAA
7211	db mining	Hs.23449	NM_018842	10047119	insulin receptor tyrosine kinase substrate (LOC55971), mRNA /cds=(333,1553)	1	CTTAAGGACGCCTTTGCGTGGCCCTT TATTACAGCCCAACACGGTAGGC
7212	db mining	Hs.23990	NM_017838	8923443	nucleolar protein family A, member 2 (H/ACA small nucleolar RNPs) (NOLA2), mRNA /cds=(86,547)	1	TCCATCAGTGCCATTTCTGTAGAAC TAAAGGCTGTTCCAAGAATGTGGG
7213	db mining	Hs.24024	NM_015376	7662333	KIAA0846 protein (KIAA0846), mRNA /cds=(272,2341)	1	ATCTGTAAGCACTCAGAAGGCAGCC ATCCCTAGATGTTGGTTTCATGTA
7214	db mining	Hs.334842	BC008330	14249901	tubulin, alpha, ubiquitous (K-ALPHA-1), mRNA /cds=(67,1422)	1	TGGTTAGATTGTTTTCACTTGGTGAT CATGTCTTTTCCATGTGTACCTGT
7215	db mining	Hs.24641	AK022982	10434687	cDNA FLJ12920 fis, clone NT2RP2004594 /cds=(96,2144)	1	CATGTCCTTGAACATGATAGTTAC ATACACAGTTTTCTCCACACAT
7216	db mining	Hs.321105	NM_015462	7661683	cDNA: FLJ21737 fis, clone COLF3396 /cds=UNKNOWN	1	AGGTTTCACATGAACCTGTTCTAGGC TGTGGACATTGGTGTGGAGAGGTT
7217	db mining	Hs.26802	NM_021158	11056039	protein kinase domains containing protein similar to phosphoprotein C8FW (LOC57761), mRNA /cds=(294,1370)	1	GACACTTGGGCTCCCAATCCGAGG TCCATACTCTAGGTTTTGGATACCA
7218	db mining	Hs.26892	NM_018456	8922098	uncharacterized bone marrow protein BM040 (BM040), mRNA /cds=(357,749)	1	AGAAATGATTTCGAGCTGAGTGAATC AGGAAGTGACAGTGATGACTGAAG
7219	db mining	Hs.27076	NM_003729	4506588	RNA 3'-terminal phosphate cyclase (RPC), mRNA /cds=(170,1270)	1	TCCTGAGAGATGGACAATGAAATATC AGTTGGTGGATATGTGTGATAGCT
7220	db mining	Hs.27445	NM_016209	7706428	unknown (LOC51693), mRNA /cds=(58,480)	1	CTTTCAGGGCAGGCAGCTGTGCATG TTCTCTCAACTAAAGGCTCTGTGAG
7221	db mining	Hs.27633	NM_015456	7661663	DKFZP586B0519 protein (DKFZP586B0519), mRNA /cds=(75,1199)	1	GCTGGACACACGGTGAGATTTTCTCG TATGTAAATAAAAGGCAATTTGGT
7222	db mining	Hs.28310	BG260891	12770707	602372491F1 cDNA, 5' end /clone=IMAGE:4480510 /clone_end=5'	1	CTCAACGAAAGGCTCACACTAACAGG GGAGGATTACAGCACCACAATACT
7223	db mining	Hs.28914	NM_000485	4502170	adenine phosphoribosyltransferase (APRT), mRNA /cds=(71,613)	1	CCACACTGAACCCAATTACACACAGC GGAGAAACGAGTAACAGCTTTT
7224	db mining	Hs.29893	AL133426	6562628	mRNA full length insert cDNA clone EUROIMAGE 146397 /cds=UNKNOWN	1	AGGCCCTGGAAAATTTTGTGCTTCCA ACGTGGCCTTCAATTCTTGCTTTT
7225	db mining	Hs.30120	BF970066	12337281	602272333F1 cDNA, 5' end /clone=IMAGE:4360233 /clone_end=5'	1	TATTAAGCTTGGCCAGGCTCCTGTTT ATGAAGGTTCCCCAGCGGTGGCC

Table 8

7226	db mining	Hs.30250	AF055376	3335147	short form transcription factor C-MAF (c-maf) mRNA, complete cds /cds=(807,1928)	1	GCTATACCACTGACTGTATTGAAAC CAAAGTATTAAGAGGGGAAACGCC
7227	db mining	Hs.30443	AL136599	13276698	mRNA; cDNA DKFZp564G1816 (from clone DKFZp564G1816); complete cds /cds=(137,3091)	1	TCGGGGTCAGTTAAGCCTCAGTATTC TTAGCTTTTGTGATTTTGGCACT
7228	db mining	Hs.31137	NM_006504	5729992	protein tyrosine phosphatase, receptor type, E (PTPRE), mRNA /cds=(51,2153)	1	ATGGTGCAAACCCCTGGAACAGTATGA ATTCTGCTACAAAGTGGTACAAGA
7229	db mining	Hs.34114	NM_000702	4502270	ATPase, Na+/K+ transporting, alpha 2 (+) polypeptide (ATP1A2), mRNA /cds=(104,3166)	1	AGAAGCAGCGAGTGCATGGGCTAAT TATCATCAATCTTTATGTATTTGTT
7230	db mining	Hs.35254	NM_020119	9910221	hypothetical protein FLB6421 (FLB6421), mRNA /cds=(310,792)	1	GGAAATGTTGCTGTGGGGGATTCATT GTAACCTCTCCTGTGAACCTGCTCA
7231	db mining	Hs.38735	BG149337	12661367	nad26g06.x1 cDNA, 3' end /clone=IMAGE:3366730 /clone_end=3'	1	ATGCCAAATTCCTGACACGTGGCGTT TGAAATACCATGGAACGTTTCCA
7232	db mining	Hs.41322	Al655467	4739446	tt13b01.x1 cDNA, 3' end /clone=IMAGE:2240617 /clone_end=3'	1	ACATTCTGACTCCATCTGCGGCCTCA TTAAGGTGATAGAAACATACTAGG
7233	db mining	Hs.42346	AY013295	11693027	calcineurin-binding protein calsarcin-1 mRNA, complete cds /cds=(131,925)	1	ATGATAATGTTGGCATCTGTGATAAA CTATCAATGAGGCTCCCATCATGC
7234	db mining	Hs.42699	AW956580	8146278	EST368665 cDNA	1	AGAGTCACATGTAGAAAAGCCTCCAG TATTAAGCTCCTGAATTCATTCT
7235	db mining	Hs.44131	AB023191	4589591	mRNA for KIAA0974 protein, partial cds /cds=(0,1697)	1	ATGGCAACAATGCTGACAGCAAGCA GTAGATCCTCTGATTCCAATTACCA
7236	db mining	Hs.44441	BE295812	9179366	601176827F1 cDNA, 5' end /clone=IMAGE:3532039 /clone_end=5'	1	GGGAACCCCTCATTAATTAGACAAGAA CACCAAGGCTATGACCACAGCAGC
7237	db mining	Hs.46919	AY007155	9956067	clone CDABP0095 mRNA sequence /cds=UNKNOWN	1	GGCTCACCAGAGTACCCAGAAGAAT CAGTATGGAATTAGAGGACAGTGGC
7238	db mining	Hs.56009	NM_006187	5453823	2'-5'-oligoadenylate synthetase 3 (100 kD) (OAS3), mRNA /cds=(34,3297)	1	ATTCAGGCCCTCAGTCTTTGGCAAT GGCCACCTGGTGTGGCATATTG
7239	db mining	Hs.57843	W63785	1371386	zd30g09.s1 cDNA, 3' end /clone=IMAGE:342208 /clone_end=3'	1	GCATACATAAAGGCAAGAATGACAA AAGGCTTAATCCACCTAGAAGACA
7240	db mining	Hs.58373	BF339746	11286202	602034942F1 cDNA, 5' end /clone=IMAGE:4182851 /clone_end=5'	1	ATATAGTGGGAGACAAAACAGAGAG GCGGGGATATCATGTAGCAGAGC
7241	db mining	Hs.59236	NM_032139	14149802	hypothetical protein DKFZp434L0718 (DKFZp434L0718), mRNA /cds=(133,3285)	1	TCTAATGTGCTTGGATATGTGCCAA ATGATGGAAGAAACAGTAAACT
7242	db mining	Hs.62406	NM_024660	13375912	hypothetical protein FLJ22573 (FLJ22573), mRNA /cds=(99,1166)	1	GCTTGGCTCATCTGGGGTTTGTCTGG GCTTAACACCCAATAAAGAACTTTG
7243	db mining	Hs.63042	NM_018457	8922156	DKFZp564J157 protein (DKFZp564J157), mRNA /cds=(77,523)	1	CTCGGTTTGGAACTTACCTCTCC TCCTAGCCCAATATGCTGTCTTG
7244	db mining	Hs.65648	NM_005105	4826971	RNA binding motif protein 8A (RBM8A), mRNA /cds=(12,536)	1	TCCAGGCCATTTTGCAGGGACTCTGA AGTGACCTTTAGTAGTAATAGTCT
7245	db mining	Hs.339868	NM_003974	4503358	oh47h10.s1 cDNA, 3' end /clone=IMAGE:1469827 /clone_end=3'	1	TGGCAGCCAGGAAGTGAATATGACA ATGTTGTACTAAAGAAAGGCCCAAA
7246	db mining	Hs.75056	NM_003938	4501976	adaptor-related protein complex 3, delta 1 subunit (AP3D1), mRNA /cds=(209,3547)	1	AGAGAGAGACATATCAGCTGTCTGC ATGATTTTGTGTCAAGATGATCCA
7247	db mining	Hs.75082	NM_001665	4502218	ras homolog gene family, member G (rho G) (ARHG), mRNA /cds=(129,704)	1	CTTCTGGGGACCTTTCTACCCCCAT CAGCATCAATAAAACCTCCTGTCT
7248	db mining	Hs.75309	NM_001961	4503482	eukaryotic translation elongation factor 2 (EEF2), mRNA /cds=(0,2576)	1	TAGATGATTTCTAGCAGGCAGGAAGT CCTGTGCGGTGTCAACATGAGCAC
7249	db mining	Hs.75725	NM_003564	4507356	transgelin 2 (TAGLN2), mRNA /cds=(73,672)	1	CCATGGTCTGGGGCTTGAGGAAGAT GAGTTTGTGATTTAAATAAAGAAT
7250	db mining	Hs.75770	NM_000321	4506434	retinoblastoma 1 (including osteosarcoma) (RB1), mRNA /cds=(138,2924)	1	AGGTCAAGGGCTTACTATTTCTGGGT CTTTGTCTACTAAGTTCACATTAG
7251	db mining	Hs.75790	NM_002642	4505794	phosphatidylinositol glycan, class C (PIGC), mRNA /cds=(293,1186)	1	TTTCTGGGGACCTCTGAATTACATG CTGTAACATATGAAGTATGTGGT
7252	db mining	Hs.76057	NM_000403	9945333	galactose-4-epimerase, UDP- (GALE), mRNA /cds=(76,1122)	1	TGGCACAAAACCTCCTCTCCAGGC ACTCATTTATATTGCTCTGAAAGA
7253	db mining	Hs.76662	NM_032327	14150105	hypothetical protein MGC2993 (MGC2993), mRNA /cds=(158,1048)	1	TGAGGTCACCTGCCACTTCTCATGTC TGCTTAAGGGAGCACAAATAAAGG
7254	db mining	Hs.77266	NM_002826	13325074	quiescin Q6 (QSCN6), mRNA /cds=(75,2318)	1	CACGCTACCCCTGCTTGGGAGGT GTGTGGAATAAATTTTGTAA
7255	db mining	Hs.77290	NM_006755	5803186	transaldolase 1 (TALDO1), mRNA /cds=(50,1063)	1	AATGCAGAGAATGGAAGTAGCGCAT CCCTGAGGCTGGAAGTCCAGATCTG
7256	db mining	Hs.77805	NM_001696	4502316	ATPase, H+ transporting, lysosomal (vacuolar proton pump) 31kD (ATP6E), mRNA /cds=(75,755)	1	GTGGCACACCACTCCTCCAGCAGTA GTCGCTTACTGTTACCTGTTTAG
7257	db mining	Hs.78592	NM_001414	4503502	eukaryotic translation initiation factor 2B, subunit 1 (alpha, 26kD) (EIF2B1), mRNA /cds=(10,927)	1	AGCAACAGTATTCTGCATGGTTCACT GCTTAAGAAAATGCCCTTCTGGAAT

Table 8

7258	db mining	Hs.78605	BC006159	13544048	Homo sapiens, clone IMAGE:3635549, mRNA, partial cds /cds=(0,891)	1	AAACATGTCCCTGGAGAGTAGCCTGC TCCCACACTGTCACTGGATGTCAT
7259	db mining	Hs.78890	AF171938	5852969	NUMB isoform 1 (NUMB) mRNA, complete cds /cds=(270,2225)	1	CAGTTGCAGCCTCTTGACCTCGGATA ACAATAAGAGAGCTCATCTCATTT
7260	db mining	Hs.79150	NM_006430	5453604	chaperonin containing TCP1, subunit 4 (delta) (CCT4), mRNA /cds=(0,1619)	1	TGGGCTTGGTCTTCCAGTTGGCATT GCCTGAAAGTTGATTGAAACAATT
7261	db mining	Hs.79259	NM_016404	7705476	hypothetical protein (HSPC152), mRNA /cds=(35,412)	1	TTCTGCCGTGTGTATCCCCAACCCCT GACCCAATGACACCAACACAGTG
7262	db mining	Hs.79356	NM_006762	5803055	Lysosomal-associated multispanning membrane protein-5 (LAPTM5), mRNA /cds=(75,863)	1	TGTGTGCACAGGGAGGAAGTTTCA ATAAAGCAACAACAAGCTTCAAGGA
7263	db mining	Hs.79572	NM_001909	4503142	cathepsin D (lysosomal aspartyl protease) (CTSD), mRNA /cds=(2,1240)	1	CTCCCTTGGGCGGCTGAGAGCCCC AGCTGACATGGAATACAGTTGTTG
7264	db mining	Hs.81337	NM_009587	6806889	lectin, galactoside-binding, soluble, 9 (galectin 9) (LGALS9), transcript variant long, mRNA /cds=(56,1123)	1	CTCCACCACCTGACCAGAGTGTCTC TTCAGAGGACTGGCTCCTTTCCCA
7265	db mining	Hs.82030	NM_004184	7710155	tryptophanyl-tRNA synthetase (WARS), mRNA /cds=(187,1602)	1	CTCTGCCCTCCTGTCAACCCAGTAGAG TAAATAAACTTCCTTGGCTCCTAA
7266	db mining	Hs.82396	NM_016816	8051620	2',5'-oligoadenylate synthetase 1 (40-46 kD) (OAS1), transcript variant E18, mRNA /cds=(33,1235)	1	AAATTCAGCCTTGACTTTCTTCTGT GCACCTGATGGGAGGGTAATGTCT
7267	db mining	Hs.82933	BC008739	14250568	Homo sapiens, protein x 013, clone MGC:3073 IMAGE:3346340, mRNA, complete cds /cds=(101,325)	1	CTGTAGGCCAGGGTGAATGAAGTC AGCTCCTTTTATAGTTGAAATACA
7268	db mining	Hs.83753	NM_003091	4507124	small nuclear ribonucleoprotein polypeptides B and B1 (SNRPB), mRNA /cds=(0,695)	1	TTGGCGGGCCATCCCAACAGGTGAT GACCCCAACAAGGAAGAGTACTGTT
7269	db mining	Hs.85838	NM_004207	4759111	solute carrier family 16 (monocarboxylic acid transporters), member 3 (SLC16A3), mRNA /cds=(62,1459)	1	GGAAGATGGAATAAACCTGCGTGTG GGTGAGTGTCTCGTGCCGAATT
7270	db mining	Hs.306565	NM_013341	9558756	clone HQ0688 /cds=UNKNOWN	1	AGTGAGGACAATGTGGCTTGCTCCTT TTTGAATCTACAGATAATGCATGT
7271	db mining	Hs.89497	NM_005573	5031876	lamin B1 (LMNB1), mRNA	1	GAGGGTGGGGGAGGGAGGTGGAGG GAGGGAAGGGTTTCTCTATTAATG
7272	db mining	Hs.89525	NM_004494	4758515	hepatoma-derived growth factor (high-mobility group protein 1-like) (HDGF), mRNA /cds=(315,1037)	1	TGCTGACTGTAGCTTTGGAAGTTTAG CTCTGAGAACCCTAGATGATTCA
7273	db mining	Hs.92208	NM_003815	11497001	a disintegrin and metalloproteinase domain 15 (metargidin) (ADAM15), mRNA /cds=(7,2451)	1	GATTGAGGAAGGTCCGCACAGCCTG TCTCTGCTCAGTTGCAATAAACGTG
7274	db mining	Hs.103527	NM_003975	4503632	SH2 domain protein 2A (SH2D2A), mRNA /cds=(86,1255)	1	GATTCTTGCTGGCTAATAATCATCA CCAACCTGCCTTCTCCTACAGGGA
7275	db mining	Hs.104679	BF347362	11294957	Homo sapiens, clone MGC:18216 IMAGE:4156235, mRNA, complete cds /cds=(2206,2373)	1	AGATTCTTAGGGCAGCTTTGTTCCCC TTGGAGGGTTTTCCACACGGAGTC
7276	db mining	Hs.105749	AB011125	3043629	mRNA for KIAA0553 protein, partial cds /cds=(0,3289)	1	GCCATACTCTGGCTGCCTCTTTGCCT TCCTAGGGGCATTTTCTTTAACTT
7277	db mining	Hs.105751	AL138761	8573811	DNA sequence from clone RP11-16H23 on chromosome 10. Contains the gene KIAA0204 (HSLK) for a protein kinase, the COL17A1 gene for collagen type XVII alpha 1 (BP180), ESTs and GSSs /cds=(0,3557)	1	TGCTCTTACTACTTGTAGAGCAACA TGCTTTTCAATCATGGGATTGAC
7278	db mining	Hs.324406	AK026741	10439662	ribosomal protein L41 (RPL41), mRNA /cds=(83,160)	1	TGGACCTGTGACATTCTGGACTATTT CTGTGTTTATTTGTGGCCGAGTGT
7279	db mining	Hs.108371	NM_001950	12669914	E2F transcription factor 4, p107/p130-binding (E2F4), mRNA /cds=(62,1303)	1	TGAAGGTGTCTGTGACCTCTTTGATG TGCCTGTTCTCAACCTCTGACTGA
7280	db mining	Hs.109760	NM_002491	4505360	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3 (12kD, B12) (NDUFB3), mRNA /cds=(252,548)	1	CCTGGAGTCCCTGAATAAAGATAAGA AGCATCACTGAAGATAATACCTGG
7281	db mining	Hs.109857	AF151783	14248494	MEG3 (MEG3) mRNA, complete cds /cds=(52,2253)	1	TTGTCCCGAAGATTTCGCCTTTAGT GCCTTTTGAGGGGTTCCCATCATC
7282	db mining	Hs.306417	NM_014714	7662193	cDNA FLJ10935 fis, clone OVARC1000661 /cds=(250,936)	1	CTGCTAGGCTCTGCCACCGGCCAC CAACACTCCTGTAATCCAATAAAG
7283	db mining	Hs.114199	BG621594	13672965	602617003F1 cDNA, 5' end /clone=IMAGE:4730856 /clone_end=5'	1	TTAAATACTGTCTATTGGTTGGGAGG GGATTGCATTAATGATTAGTCCA
7284	db mining	Hs.118786	BF131637	10970677	601820457F1 cDNA, 5' end /clone=IMAGE:4052246 /clone_end=5'	1	CTCACACACGCAGCGACAGTCAGA ACAAACAGGAACAAGCTACAACAC
7285	db mining	Hs.122559	NM_024872	13376307	hypothetical protein FLJ22570 (FLJ22570), mRNA /cds=(0,1490)	1	TGAATAGTGTGCAGACTCACAGATAA TAAAGCTCAGAGCAGCTCCCGGCA
7286	db mining	Hs.123373	AW963279	8153115	602853825F1 cDNA, 5' end /clone=IMAGE:4994982 /clone_end=5'	1	CCAGTGCTTCACGAAGTTAAAGGAA AGATCTGCTGGTAGTGTGTTAGTCT

Table 8

7287	db mining	Hs.125078	AF090094	4063629	clone IMAGE 172979 /cds=UNKNOWN	1	CGAGCCGACCATGTCTTCATTTGCTT CCACAAGAACCGCGAGGACAGAGC
7288	db mining	Hs.130740	AK000315	7020316	cDNA FLJ20308 fis, clone HEP07264 /cds=(90,1226)	1	TTTTCCTCCCTTTAGTCTCCTGGCTTT TCCTTTCCCTTCCTTCTCCACT
7289	db mining	Hs.132955	AL132665	6137021	mRNA; cDNA DKFZp566E034 (from clone DKFZp566E034); complete cds /cds=UNKNOWN	1	AACCCGTTGTGGAATATTGGAATT AACTGAGCCAAAGTGATTATGCAT
7290	db mining	Hs.133230	BC000085	12652672	Homo sapiens, ribosomal protein S15, clone MGC:2295 IMAGE:3507983, mRNA, complete cds /cds=(14,451)	1	GCCCCGATCCTACACCCTGAGCCT CAGAGCACTGCTACTTTTAAAAATA
7291	db mining	Hs.142677	AK024108	10436406	cDNA FLJ14046 fis, clone HEMBA1006461 /cds=UNKNOWN	1	AAGCGTCTCATGGAGTTCGGACTGGT TGGGGTGATAATATTGTTCTTT
7292	db mining	Hs.146170	NM_022842	12383093	hypothetical protein FLJ22969 (FLJ22969), mRNA /cds=(274,2223)	1	AAGCCAGGCTTTGGGATACAAGTTCT TTCTCTTCATTTGATGCCGTGCA
7293	db mining	Hs.146550	Z82215	3135984	DNA sequence from clone RP1-68O2 on chromosome 22 Contains the 5' end of the APOL2 gene for apolipoprotein L 2, the APOL gene for apolipoprotein L, the MYH9 gene for nonmuscle type myosin heavy chain 9. ESTs, STSs and GSSs /cds=(0,5882)	1	AGCTGTCACCACTACAGTAAGCTGGT TTACAGATGTTTTCCACTGAGCAT
7294	db mining	Hs.149846	NM_002213	4504772	integrin, beta 5 (ITGB5), mRNA /cds=(29,2419)	1	TGAAGGTACATCGTTTGCAATGTGA GTTTCCTCTCCTGTCCGTGTTTGT
7295	db mining	Hs.151738	NM_004994	4826835	matrix metalloproteinase 9 (gelatinase B, 92kD gelatinase, 92kD type IV collagenase) (MMP9), mRNA /cds=(19,2142)	1	GGATACAAACTGGTATTCTGTTCTGG AGGAAAGGGAGGAGTGGAGGTGGG
7296	db mining	Hs.336451	NM_024519	13375657	Nucleoside diphosphate kinase type 6 (inhibitor of p53-induced apoptosis- alpha)	1	CTGCCGCTGCCAGCCACATCCCTT GGTTTTGTATTTTATTACAGAGTT
7297	db mining	Hs.154276	NM_001186	4502352	BTB and CNC homology 1, basic leucine zipper transcription factor 1 (BACH1), mRNA /cds=(118,2328)	1	TGCAGTAGACGATACAGGTTGCATGT GGACACTCAGTCACATTAAACACT
7298	db mining	Hs.155975	NM_005608	5032004	protein tyrosine phosphatase, receptor type, C-associated protein (PTPRCAP), mRNA /cds=(63,683)	1	CCCCAACACAGGCATCAGGCAACC ATTTGAAATAAACTCCTTCAGCCT
7299	db mining	Hs.159410	NM_014484	7657338	molybdopterin synthase sulfurylase (MOCOS3), mRNA /cds=(2,1384)	1	GTAAGGTGAGTGGTATAGTCTGA TGAGAAAGATGTGGATTGCCATAA
7300	db mining	Hs.160999	AV648418	9869432	AV648418 cDNA, 3' end /clone=GLCBJC04 /clone_end=3'	1	CACCTGTTCATCATGGAACCTTCTA GAACGCTGCCACTCTTCAAAGCT
7301	db mining	Hs.164036	NM_002076	4504060	glucosamine (N-acetyl)-6-sulfatase (Sanfilippo disease IIID) (GNS), mRNA /cds=(87,1745)	1	TCATCACAGTGTGGTAAGGTTGCAAA TTCAAAACATGTCAACCAAGCTCT
7302	db mining	Hs.164478	NM_022461	11968002	hypothetical protein FLJ21939 similar to 5-azacytidine induced gene 2 (FLJ21939), mRNA /cds=(379,1557)	1	ACAACCTGATCATTGAAGCCAACTTT GTCCAGCACATTCTTAAGTCCT
7303	db mining	Hs.169615	NM_023080	12751496	hypothetical protein FLJ20989 (FLJ20989), mRNA /cds=(52,741)	1	ACTTGATTAGGCTCCGGTTTTCCTTT GGCTTCTGCTTTTCAGTGAATGGC
7304	db mining	Hs.171811	AK023758	10435787	cDNA FLJ13696 fis, clone PLACE2000140 /cds=UNKNOWN	1	TTGCAGACAAATCCTCTGAGCTTAG CTAGGAGTTCAATTAGCTTCTCTGT
7305	db mining	Hs.171992	NM_002843	4506314	protein tyrosine phosphatase, receptor type, J (PTPRJ), mRNA /cds=(349,4362)	1	ACAGTAGCTTAGCATCAGAGGTTTGC TTCTCAGTAACATTTCTGTTCTC
7306	db mining	Hs.173373	AB023148	4589505	mRNA for KIAA0931 protein, partial cds /cds=(0,2204)	1	ATGTGAGCCAGAGCATGTTGCAGCAA ATCTATTGTTTGTAAAAATAACAA
7307	db mining	Hs.173638	NM_030756	13540470	transcription factor 7-like 2 (T-cell specific, HMG-box) (TCF7L2), mRNA /cds=(307,2097)	1	TTTGTGCCATGTGGCTACATTAGTTG ATGTTTATCGAGTTTCATTGGTCAA
7308	db mining	Hs.177534	NM_007207	13518225	dual specificity phosphatase 10 (DUSP10), mRNA /cds=(142,1590)	1	AGCCCAACCATTAATAAATTAATACAA CTTGGTTTCTCCCTCTTTTCTCT
7309	db mining	Hs.177592	NM_001003	4506668	602761378F1 cDNA, 5' end /clone=IMAGE:4896906 /clone_end=5'	1	GCAAAGAAAGAAATCCGAGGAGT CTGATGATGACATGGGCTTTGGTCT
7310	db mining	Hs.179661	BC008791	14250651	Homo sapiens, tubulin, beta 5, clone MGC:4029 IMAGE:3617988, mRNA, complete cds /cds=(1705,3039)	1	TTGAAAAGATGACATCGCCCCAAGAG CCAAAAATAAATGGGAATTGAAAA
7311	db mining	Hs.179986	NM_005803	6552331	flotillin 1 (FLOT1), mRNA /cds=(164,1447)	1	TTTTCTGACCAAGACTGAGGGATGG GCTGGAGGTTTCAACTTTGCTAC
7312	db mining	Hs.180859	NM_016139	7705850	16.7Kd protein (LOC51142), mRNA /cds=(81,536)	1	TCTGGGACTGGGCAATGTTGTGTG GCCTCCTTAACTAGCTGTTATGT
7313	db mining	Hs.181301	AK024855	10437263	cDNA: FLJ21202 fis, clone COL00293 /cds=UNKNOWN	1	AACCTAAACGTATTTCACTAACTCTG GCTCCTCTCTCAATAAGCACATTT
7314	db mining	Hs.181311	NM_004539	7262387	asparaginyl-tRNA synthetase (NARS), mRNA /cds=(73,1719)	1	CCACCAAATGCATGTCATGTATTCTC AATAGGCTGTATCCAGCAGTCA
7315	db mining	Hs.181391	AL390158	9368848	mRNA; cDNA DKFZp761G2113 (from clone DKFZp761G2113) /cds=(0,564)	1	TGTACAGGTAGCTAACTTTGTAAACG CTGTGATTCCCTCTGCCCCCATG
7316	db mining	Hs.182281	NM_016407	7705482	hypothetical protein (HSPC164), mRNA /cds=(70,990)	1	TCTCATCATTTTCAAGATAGCAGAGT CATAGTTGGGCACCCAGTGATTGG

Table 8

7317	db mining	Hs.183180	NM_016476	13324711	anaphase promoting complex subunit 11 (yeast APC11 homolog) (ANAPC11), mRNA /cds=(0,398)	1	CAACAAGGTGGAACAAGGGCTGGA GCTGCGTTTGTTCGCCATCACTAT
7318	db mining	Hs.183593	NM_006965	5902161	zinc finger protein 24 (KOX 17) (ZNF24), mRNA /cds=(164,1270)	1	GAGCATTCTCAGGGGAGGTCACCT GTGAGGTTCCCGAAGTGTAGTTTT
7319	db mining	Hs.184029	AL137509	6808164	Homo sapiens, clone MGC:2764 IMAGE:2958229, mRNA, complete cds /cds=(70,1785)	1	TGCAGGTGTTGCAAGATCCGCCATC TGTAATGTCTTGGCACAATAAAAA
7320	db mining	Hs.187652	AA833892	2907491	od64g04.s1 cDNA /clone=IMAGE:1372758	1	AAGAGTCTGACTTCTCACTAGGAGCA TGTCTGTGTACTTACTTCAAACA
7321	db mining	Hs.188751	BG111636	12605142	602282682F1 cDNA, 5' end /clone=IMAGE:4369892 /clone_end=5'	1	CAAACACCAAACCAAGATAACACCGG AACGATAAACAGCAGAAACAGAGA
7322	db mining	Hs.193392	U46120	1184779	expressed unknown mRNA /cds=UNKNOWN	1	TGGGTTTGTCCAGTTTCAGGCTAGATG TGCATCATGGCAGGAAGAAAGAAAG
7323	db mining	Hs.195453	NM_001030	4506710	ribosomal protein S27 (metallopanstimulin 1) (RPS27), mRNA /cds=(35,289)	1	AAGGATGTTCTTCAGGAGGAAGCA GCACTAAAAGCACTCTGAGTCAAGA
7324	db mining	Hs.196914	D86976	1504025	mRNA for KIAA0223 gene, partial cds /cds=(0,3498)	1	CGGAAGCCACCCTGTGGTTCTTTCAC AGGCACGTTTATTTTGTGAAATA
7325	db mining	Hs.198281	NM_002654	4505838	pyruvate kinase, muscle (PKM2), mRNA /cds=(109,1704)	1	CCTCCACTCAGCTGTCTGCAGCAAA CACTCCACCCTCCACCTTCCATTT
7326	db mining	Hs.200317	AB037825	7243188	mRNA for KIAA1404 protein, partial cds /cds=(64,5841)	1	TCCCTCCTCCAGTGTTCCTTAGAAC AGACATTTAGGTATCTCAGGTCTCT
7327	db mining	Hs.202613	BG284262	13035032	602407238F1 cDNA, 5' end /clone=IMAGE:4519449 /clone_end=5'	1	CAGCCGCGAGCATCTAAACGAACAACA GAGGAGAACGACGAGGACAGAGTT
7328	db mining	Hs.210778	AL136679	12052881	mRNA; cDNA DKFp564C1278 (from clone DKFp564C1278); complete cds /cds=(104,1690)	1	TCACTGGATTCTGTGTCTTCACTAG AACACCATTGTCTATCTCATATTGA
7329	db mining	Hs.211594	NM_006503	5729990	proteasome (prosome, macropain) 26S subunit, ATPase, 4 (PSMC4), mRNA /cds=(12,1268)	1	GCTTCTCTCGCACCCCCAGCACCTCT GTCCCAAAACCTCATTCCCTTTTT
7330	db mining	Hs.226307	NM_004900	4758159	phorbol (similar to apolipoprotein B mRNA editing protein) (DJ742C19.2), mRNA /cds=(79,651)	1	AGCTGCTCAGACACCAGCAAAGC AATGTGCTCCTGATCAAGTAGATTT
7331	db mining	Hs.326048	NM_006319	5453905	cDNA FLJ14186 fis, clone NT2RP2005726 /cds=UNKNOWN	1	ATGCTCATGTGGTGTCCCCACCGCC CACTTGTGTTGATGCTACTGACTGTC
7332	db mining	Hs.227835	NM_014972	14149656	KIAA1049 protein (KIAA1049), mRNA /cds=(96,2126)	1	GCTGAGTGTGTCGCTCCCTGGTCCA CTGTTTCTCCTATAAATGTAATGG
7333	db mining	Hs.231967	NM_014423	7656878	ALL1 fused gene from 5q31 (AF5Q31), mRNA /cds=(337,3828)	1	TGCAGCACATTGATAAGATGGTTTCC GTGAGCTATGATAAGATTGAAATT
7334	db mining	Hs.232400	NM_031243	14043071	heterogeneous nuclear ribonucleoprotein A2/B1 (HNRPA2B1), transcript variant B1, mRNA /cds=(169,1230)	1	ATAAATATGCAGTGATATGGCAGAAG ACACCAGAGCAGATGCAGAGAGCC
7335	db mining	Hs.236131	NM_022740	13430859	homeodomain-interacting protein kinase 2 (HIPK2), mRNA /cds=(108,3704)	1	TTGAACCGGGAAGTGGGAGACGTA GAGCAGAGAAGAGAACATTTTTAA
7336	db mining	Hs.343556	AF090896	6690168	clone HQ0131 PRO0131 mRNA, partial cds /cds=(0,233)	1	TTTGCTCATTCTAAACTCAAGCTTTTA AGCCTCACAGATTTACAGGGGT
7337	db mining	Hs.238936	BG538032	13530264	602563534F1 cDNA, 5' end /clone=IMAGE:4688193 /clone_end=5'	1	GCCATAGGCTTACATGGGGCATACTC GTTACACAGCTCAAGATGTTTGA
7338	db mining	Hs.241412	NM_030882	13562089	apolipoprotein L, 2 (APOL2), mRNA /cds=(477,1490)	1	GGTCTCTCGCTCTGTCTTTCCAGCAT CCACTCTCCCTTGTCTTCTGGGG
7339	db mining	Hs.241471	AL133642	6599293	mRNA; cDNA DKFp586G1721 (from clone DKFp586G1721); partial cds /cds=(0,669)	1	TCAGCACCAAGTCATGTTTAAAGAC CAGAGAGACAAGCATTTTGCCAAAG
7340	db mining	Hs.245188	NM_000362	9257248	tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudoinflammatory) (TIMP3), mRNA /cds=(1183,1818)	1	CGAACCCGTGCTAGAAGGAATGTATT TGTTGCTAAATTCGTAGCACTGT
7341	db mining	Hs.249170	NM_012476	7110734	ventral anterior homeobox 2 (VAX2), mRNA /cds=(32,904)	1	CAAATGGCCTTGGTCCCGCAGCTTGT GTGCGTGAGTGCACTGTGAGTGTG
7342	db mining	Hs.258551	NM_012100	6912247	aspartyl aminopeptidase (DNPEP), mRNA /cds=(151,1578)	1	CTCTTGGAAGACTTCTCTGCCATCC CTTTGCACCTCAGAGGGGAAGTTC
7343	db mining	Hs.259412	BG772376	14083029	602722490F1 cDNA, 5' end /clone=IMAGE:4839143 /clone_end=5'	1	GGCGCGGTGACCCACTTATGGGACT TGGCCTTTCTTTGTTGTTGTTTAA
7344	db mining	Hs.259577	AW665292	7457838	hj02c11.x1 cDNA, 3' end /clone=IMAGE:2980628 /clone_end=3'	1	ACCCAGTTCATGATTACTTCTACTCTT AACACTCAATCCCCCTAATTAACCC
7345	db mining	Hs.259679	AW956608	8146291	EST368678 cDNA	1	TTCGATAAACAGCGTTGACTTGCTTG TACCACTTAAGAGTTGTGAGTGCT
7346	db mining	Hs.265827	NM_022873	13259549	interferon, alpha-inducible protein (clone IFI-6-16) (G1P3), transcript variant 3, mRNA /cds=(107,523)	1	TCCAGAACTTTGTCTATCACTCTCCC CAACAACCTAGATGTGAAAACAGA
7347	db mining	Hs.265891	AK001503	7022798	cDNA FLJ10641 fis, clone NT2RP2005748 /cds=UNKNOWN	1	GGGATCTTTCAAATGGATAGTGAGTT GCCTTTTCTATAGGTGACAATCA

Table 8

7348	db mining	Hs.266456	AW768693	7700715	hk65e11.x1 cDNA, 3' end /clone=IMAGE:3001580 /clone_end=3'	1	AGAGCAAGCATTACAGAAAATAGGTC TGGAAGACAGGAAAAGGACAAAGA
7349	db mining	Hs.267368	NM_017842	8923451	hypothetical protein FLJ20489 (FLJ20489), mRNA /cds=(482,1201)	1	ATGTGTCCTGCCCTCAGCTCTTTGC CTTATCTGTGTCACTGTCACTTTA
7350	db mining	Hs.267812	NM_003794	4507144	sorting nexin 4 (SNX4), mRNA /cds=(0,1352)	1	TCCTGTGAATTGAATTTCTCTTCAATC AAAGTGCCCCAAACAGAAAGCACA
7351	db mining	Hs.272027	NM_012177	6912365	F-box only protein 5 (FBXO5), mRNA /cds=(61,1404)	1	AGGTCCCTGCCTGGTACAAAAGAAAA GCAAAAAGAAATTTACGAAGATTGT
7352	db mining	Hs.272534	AL080068	5262475	mRNA; cDNA DKFZp564J062 (from clone DKFZp564J062) /cds=UNKNOWN	1	GCCAGAAGCATAATTTACCAGAGACG AGAACAGGTTGTGGGAGAGAGGAA
7353	db mining	Hs.273415	NM_000034	4557304	aldolase A, fructose-bisphosphate (ALDOA), mRNA /cds=(167,1261)	1	TCTTTCTTCCCTCGTGACAGTGGTGT GTGGTGTGCTGTGTAATGCTAAG
7354	db mining	Hs.273830	AK022804	10434416	cDNA FLJ12742 fis, clone NT2RP2000644 /cds=UNKNOWN	1	CAGTCAAACATTTTACCTTGTGCCTT GGCTCACTCTGTGCCTTTTCTCCA
7355	db mining	Hs.274287	AK001508	7022805	cDNA FLJ10646 fis, clone NT2RP2005773, highly similar to pyrroline 5-carboxylate reductase isoform mRNA /cds=UNKNOWN	1	ACAGGAAACGGGCTTTCTCTGAATTG GTAAATGGGAAAGAGTGAGCAAC
7356	db mining	Hs.275163	NM_002512	4505408	non-metastatic cells 2, protein (NME2B) expressed in (NME2), nuclear gene encoding mitochondrial protein, mRNA /cds=(72,530)	1	GTCCCTGGACACAGCTCTTCATTCCA TTGACTTAGAGGCAACAGGATTGA
7357	db mining	Hs.276818	AI435118	4300940	th95e09.x1 cDNA, 3' end /clone=IMAGE:2126440 /clone_end=3'	1	ACCCTCGCCACAAGATTCTGCAATCT CCTAAAGTACAGATGAGAAAGGAA
7358	db mining	Hs.278582	AF135794	4574743	AKT3 protein kinase mRNA, complete cds /cds=(0,1439)	1	TGCCAAGGGGTTAATGAAACAAATAG CTGTTGACGTTTGTCTATTTAAGA
7359	db mining	Hs.279535	AK027035	10440049	cDNA: FLJ23382 fis, clone HEP16349 /cds=UNKNOWN	1	CAGTGGCACACCTTAACAGTCACTA ATTTTCACTGTTGTGAAAGTGATT
7360	db mining	Hs.283007	NM_006227	5453913	phospholipid transfer protein (PLTP), mRNA /cds=(87,1568)	1	CCCAAGTCCACAGAGAAGACGGGAT TTGAAGCTGTACCCAATTTAATTCC
7361	db mining	Hs.283565	NM_005438	4885242	FOS-like antigen-1 (FOSL1), mRNA /cds=(34,849)	1	TGAGCCCTACTCCCTGCAGATGCCAC CTAGCCCAATGTCTCCTCCCTTC
7362	db mining	Hs.284296	AK026646	10439543	cDNA: FLJ22993 fis, clone KAT11914 /cds=UNKNOWN	1	GCAGGGAGGGGAGGATAAGTGGGAT CTACCAATTGATTCTGGCAAAACAA
7363	db mining	Hs.284892	AF246229	10419514	AF246229 cDNA /clone=RB82	1	GGCCACTACCTTTGTTGGAACAAAG CATAAGGGAGTGAAAGTGTCTAAA
7364	db mining	Hs.284893	AF246230	10419515	AF246230 cDNA /clone=RB16	1	GCTGGCCCCGATCTCTCCACAGTT GCAAGAAGCATTTTCAAAGAATAGT
7365	db mining	Hs.285280	AK024885	10437298	cDNA: FLJ21232 fis, clone COL00752 /cds=UNKNOWN	1	ATTGGGATGAACTACTTTAGCAAAG TCCACAGATCAAGAACCCAGACGGT
7366	db mining	Hs.288038	NM_006625	12056474	TLS-associated serine-arginine protein 1 (TASR1), mRNA /cds=(72,623)	1	AGGAGACTGGGTGCTATAATTAGATT ATTTTGAGGCAGACAGAGAGCTGT
7367	db mining	Hs.288283	AK026008	10438707	cDNA: FLJ22355 fis, clone HRC06344 /cds=UNKNOWN	1	AGCCTGCAAGGTTAGGACTTGAAGA GGGAAGGTATTTAATACTGGGCCA
7368	db mining	Hs.289043	AL136719	12052956	mRNA; cDNA DKFZp566G0346 (from clone DKFZp566G0346); complete cds /cds=(278,790)	1	TTAGTGCAAGTGGATGAATGTGTAT AGGTCAGAGGTCTTCGTGTTTACA
7369	db mining	Hs.289087	AK024468	10440449	mRNA for FLJ00061 protein, partial cds /cds=(0,522)	1	TCACCTCTCAGTTGAAAGATTTCTTCT TTGAAAGGTCAAGACCGTGAAT
7370	db mining	Hs.290494	BF475245	11544422	EST 003 cDNA, 5' end /clone_end=5'	1	AGTCTGGATGTAAGGCCTGCCTCAA GAGACACTAATGGGAGGGAACAA
7371	db mining	Hs.290874	BE730505	10144599	601562627F1 cDNA, 5' end /clone=IMAGE:3832302 /clone_end=5'	1	AAAGGAAGAAGCACGATGCAACAG AAACAAGACGAGACAGAGTGAGCGA
7372	db mining	Hs.332403	NM_024113	13129129	hypothetical protein MGC4707 (MGC4707), mRNA /cds=(72,1067)	1	ACTGCTTCAAGTCTTGACCCCTTTGT GTCTAATAGCTAAACAAACATGTG
7373	db mining	Hs.292998	AW972292	8162138	EST384381 cDNA	1	AACAATAGGAATAAGGTTACTTCAGC CTTAAGGGGCTTATCATACTGCTG
7374	db mining	Hs.293984	NM_032323	14150097	hypothetical protein MGC13102 (MGC13102), mRNA /cds=(161,1345)	1	GACAGGGAATCTGCCTCAACAGAG GGGTGTGTGTCTTTGTGCCACA
7375	db mining	Hs.295362	AK027365	14041993	cDNA FLJ14459 fis, clone HEMBB1002409 /cds=UNKNOWN	1	AACAAGTCCATGACTCCCAAGGGTTT AAGGACCAATGGTTCAAGTGAGACA
7376	db mining	Hs.297964	BF836049	12187621	RC1-HT0975-161100-011-g07 cDNA	1	AACTCATACTCATATGTACGTGCTC AGTCGAACGGACTGCAGTCCGTTT
7377	db mining	Hs.299329	AK000770	7021066	cDNA FLJ20763 fis, clone COL09911 /cds=UNKNOWN	1	TACTGCTATGGAATGAGACCACCACT TCTCCTGTTGTCTTCCAGCTTC
7378	db mining	Hs.300631	AK022958	10434651	cDNA FLJ12896 fis, clone NT2RP2004194, weakly similar to Rattus norvegicus Golgi SNARE GS15 mRNA /cds=UNKNOWN	1	TGCCAAGTGAGGACAACTGCTAGG CTGTATCCCATATTTTCAAGGATGAG
7379	db mining	Hs.301417	M80899	178282	novel protein AHNK mRNA, partial sequence /cds=(0,3835)	1	AAACCGACCGCTGTAGGCTCCTGG AACTATACAGATAGGTAAGAGTTT
7380	db mining	Hs.301612	NM_005253	4885244	FOS-like antigen 2 (FOSL2), mRNA /cds=(3,983)	1	GACCAATCATCAGACTCCTTGAAGT CCCCACTCTGCTGGCTCTGTAACC
7381	db mining	Hs.301636	NM_000287	4505728	peroxisomal biogenesis factor 6 (PEX6), mRNA /cds=(70,3012)	1	AGAGATCCAGGTGCAAGTGGATTGA GACAGCAGCAACAGCTCAAGAGATA

Table 8

7382	db mining	Hs.337774	NM_004723	4758671	rho/rac guanine nucleotide exchange factor (GEF) 2 (ARHGEF2), mRNA /cds=(112,2988)	1	ATGTCCTCTTCTCCTCTCCCTCTTC CTCTTACTGCTGTCTCCCTTTCT
7383	db mining	Hs.318568	BF475243	11544420	EST 001 cDNA, 5' end /clone_end=5'	1	ACATCCATAGAACAAATACATCAAAGT TGTTGAAGTGTTCAGGGGAGGGC
7384	db mining	Hs.318569	BF475244	11544421	EST 002 cDNA, 5' end /clone_end=5'	1	AGCACTTACTGTCTCAGGCATTCAGAAT GTGAGCAATGACAATAATTACCT
7385	db mining	Hs.321709	NM_002560	4505548	purinergic receptor P2X, ligand-gated ion channel, 4 (P2RX4), mRNA /cds=(27,1193)	1	AATCTGATTGAGTCTCCACTCCACAA GCACTCAGGGTTCCCGAGCAGCTC
7386	db mining	Hs.322478	D38491	559327	mRNA for KIAA0117 gene, partial cds /cds=(0,683)	1	AACCCAGAAAAGAGTTGCTCTTACT ATCTACTGCTGACTCTTGAACCTT
7387	db mining	Hs.323114	AK023846	10435906	cDNA FLJ13784 fis, clone PLACE4000593 /cds=UNKNOWN	1	TTCCGTAGGTGGGCTTTTCTCATCAGA GCTTGGCTCATAACCAATAAAGT
7388	db mining	Hs.323949	NM_002231	13259537	kangai 1 (suppression of tumorigenicity 6, prostate; CD82 antigen (R2 leukocyte antigen, antigen detected by monoclonal and antibody IA4)) (KAI1), mRNA /cds=(181,984)	1	AGGTGGGCTGGACTTCTACCTGCC TCAAGGGTGTGTATATTGTATAGGG
7389	db mining	Hs.324507	NM_024524	13375667	hypothetical protein FLJ20986 (FLJ20986), mRNA /cds=(182,2056)	1	TGTGTGCAATGGCACTAGTTCAGTT TATGTCCCTTCTGATATAGTAGCT
7390	db mining	Hs.326447	BC004857	13436058	Homo sapiens, clone IMAGE:3690478, mRNA, partial cds /cds=(0,71)	1	CTATCAGCCCCAAGTGGAGCAGAAC AGAGGGATTTGGGAGGAATGTCCTC
7391	db mining	Hs.333558	BG577468	13592532	gu.seq cDNA	1	TGCTAAGGAGAGGGGCCATGAAGAG TTTTGTTGAGAACATCGTGTCTGAG
7392	db mining	Hs.334303	BG642392	13777102	gu.seq395250 cDNA	1	AGTCAGAACTTCAAGTCCCATTA GGGGCTGGAAAATACAAGTACAGT
7393	db mining	Hs.334804	NM_000558	6715603	hemoglobin, alpha 1 (HBA1), mRNA /cds=(37,465)	1	CTCCCTTCTGTCACCCGTACCC GTGGTCTTTGAATAAAGTCTGAGTG
7394	db mining	Hs.334853	NM_032241	14149953	hypothetical protein FLJ23544 (FLJ23544), mRNA /cds=(125,517)	1	CAGATGGTTGTGGGCTCAAGTACATC CCCAGTCGTGGCCCTTTGGACAAG
7395	db mining	HS.250655	NM_032695	14249283	Prothymosin, alpha (gene sequence 28)	1	TTTTGGCCTGTTTGTATGTATGTGTA AACAAATGTTGTCCAACAATAAACA
7396	db mining	Hs.336689	AA493477	2223318	ESTs	1	AGCCTAGGTGACAGAGCAAGACTCC ATTTCAAAAACAAAACAAAACAAA
7397	db mining	Hs.180450	BF791433	12096487	ribosomal protein S24 (RPS24), transcript variant 1, mRNA /cds=(37,429)	1	ACACTGAGAATACACGACATACACGC ACGCACAAGACAACAACAGACAGC
7398	Table 3A	NA	AA077131	1836605	7B08E10 Chromosome 7 Fetal Brain cDNA Library cDNA clone 7B08E10, mRNA sequence	1	CAGCCACCTCCTCAGGTGAGACAAG CCCAGCACCCAAATACCACTATCTG
7399	Table 3A	NA	AA501725	2236692	ng18e12.s1 NCI_CGAP_Lip2 cDNA clone IMAGE:929806 similar to contains Alu repetitive element; mRNA	1	GGCTTCCCTATTACCTCCAGCGAAA TTCGTAGTCTTTCTCTATGGAGTT
7400	Table 3A	NA	AA501934	2236901	nh56a10.s1 NCI_CGAP_Pr8 cDNA clone IMAGE:956346, mRNA sequence	1	TGCTGATGTGTTAGGTAGTTGTGGCA CACTCACCTGTCTTCTCTAAATGC
7401	Table 3A	NA	AA579400	2357584	nf33d05.s1 NCI_CGAP_Pr1 cDNA clone IMAGE:915561 similar to contains Alu repetitive element; contains	1	TTCATGCTCAGCAAAACAACGTTTTA GGATGGTGAGAGAAGACAAAGTAA
7402	Table 3A	NA	AF249845	8099620	isolate Siddi 10 hypervariable region I, mitochondrial sequence	1	TATTAACCACTCAGGGAGCTCTCCA TGCATTGGTATTTTCGTCTGGGG
7403	db mining	Hs.277051	AI630242	4681572	ad07c09.y1 cDNA /clone=ad07c09- (random)	1	TACTGTCTTTGCATGCTCTCCATCG TCAAAGTCTTCTGGAACTTAGGC
7404	db mining	Hs.277052	AI630342	4681672	ad08g11.y1 cDNA /clone=ad08g11- (random)	1	CCCCACCCCAACACATACAAACGTTT CCCACCAATCCTTGAAGTGCAAAA
7405	db mining	NA	AI732228	5053341	nf19e05.x5 NCI_CGAP_Pr1 cDNA clone IMAGE:914240 similar to contains Alu repetitive element; mRNA s	1	TTCAAGGTCCCAATACCCAATACT CGAAGGAAGAAATGAAATCTATT
7406	Table 3A	Hs.197803	AW379049	6883708	mRNA for KIAA0160 gene, partial cds /cds=(0,2413)	1	TGCACAGAACTCTTACTTACATGTCT CATCGAACTCCAGAACACCGTCG
7407	Table 3A	Hs.232000	AW380881	6885540	UI-H-B10p-abh-h-06-0-UI.s1 cDNA, 3' end /clone=IMAGE:2712035 /clone_end=3'	1	TGCATGTATCCCGGTATCTCAATCC AATTTACAGCCACTGCTGAATAT
7408	Table 3A	Hs.325568	AW384988	6889647	602386081F1 cDNA, 5' end /clone=IMAGE:4514972 /clone_end=5'	1	TACAGGAAAATGAACTAGACGGGTG GGGGACACTAGAATGAAACACAGT
7409	Table 3A	NA	AW836389	7930363	PM0-LT0030-101299-001-f08 LT0030 cDNA, mRNA sequence	1	AGTTTCTGCTTTCAGTGACTGAGGCT TTGCTTTAACTGGTGACTCCCAA
7410	Table 3A	NA	AW837717	7931691	CM2-LT0042-281299-062-e11 LT0042 cDNA, mRNA sequence	1	TCCCACTTCAAGTTAAGCACCAAAAGC AATCACTAATTCTGGAGCACAGGA
7411	Table 3A	NA	AW837808	7931782	CM1-LT0042-100300-140-f05 LT0042 cDNA, mRNA sequence	1	CATGGATGGGGGCACTGGTGTCTTCT AGTGTGTGAGGAAGCAGAGCAGATG
7412	Table 3A	NA	AW842489	7936472	PM4-CN0032-050200-002-c11 CN0032 cDNA, mRNA sequence	1	TCACCACAGATGGGAAGATCGTTTCC TGAAAACAGCTCTATAATACACAGA
7413	Table 3A	NA	AW846856	7942373	QV3-CT0195-011099-001-c09 CT0195 cDNA, mRNA sequence	1	CAGACGCTGCTGCTGCCGAGGTT AGTGTGTTTATTAGACCTGAAATGA

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7414	Table 3A	NA	AW856490	7952183	PM4-CT0290-271099-001-c04 CT0290 cDNA, mRNA sequence	1	CCCTTTAGGCCTCTTGCCCGAACAGT GAACACTAATAGATATCCTAAGCT
7415	Table 3A	NA	AW891344	8055549	PM2-NT0079-030500-001-a04 NT0079 cDNA, mRNA sequence	1	ATGGGGATCATGTTTATTGTTCTCTA TATAATGGGCCAGTGTGTTCCCA
7416	Table 3A	NA	BE061115	8405765	QV0-BT0041-011199-039-f09 BT0041 cDNA, mRNA sequence	1	AGCTGTAGACCATAAGCCACCTTCAG GTAGTGGTTTGGGAAATCAAGCAA
7417	Table 3A	NA	BE086076	8476469	PM2-BT0672-130400-006-h09 BT0672 cDNA, mRNA sequence	1	TGTACTTATGCTGTCTTCTTACCTG CCCCAGTCTTGAAGTGGTGGAA
7418	Table 3A	NA	BE091932	8482384	IL2-BT0733-130400-068-C11 BT0733 cDNA, mRNA sequence	1	GGAGGGTGTGGGAAGCAAGAGAAGA ACATTCTGTTAGGGGCAGAGAAGAA
7419	Table 3A	Hs.173334	BE160822	8623543	ELL-RELATED RNA POLYMERASE II, ELONGATION FACTOR (ELL2), mRNA /cds=(0,1922)	1	GCATCTCCAGCTTTCATAGTTACCCA ACTTGTAACCAGAGATGTGCTG
7420	Table 3A	NA	BE163106	8625827	QV3-HT0457-060400-146-h10 HT0457 cDNA, mRNA sequence	1	GGCCAGTGCCAGACGGTAGCTAGTT GGATGCTAAAGGTAGAATTTAGATA
7421	Table 3A	Hs.301497	BE168334	8631159	arginine-tRNA-protein transferase 1-1p (ATE1) mRNA, alternatively spliced product, partial cds /cds=(0,1544)	1	GGCATTGTAGTTGACACCAGCAAAG ACTCAGAGTGACTTGAGCATTGGA
7422	Table 3A	Hs.172780	BE176373	8639102	602343016F1 cDNA, 5' end /clone=IMAGE:4453466 /clone_end=5'	1	AGCCCATTTGGATATGGCCATCTTT ACCTAATGGCTACTATAGTGAGGT
7423	Table 3A	NA	BE177661	8656813	RC1-HT0598-020300-011-h02 HT0598 cDNA, mRNA sequence	1	AATCACAGCAGTAACCTCCAGTAGGA AAGATTCTCAAAGGAATAGTTCTT
7424	Table 3A	NA	BE178880	8658032	PM1-HT0609-060300-001-g03 HT0609 cDNA, mRNA sequence	1	AATGGTCAGGCACAGGTAGAATCAAA GTCCTGTATGTATGTTACACAGA
7425	Table 3A	NA	BE247056	9098807	TCBAP1D6404 Pediatric pre-B cell acute lymphoblastic leukemia Baylor-HGSC project=TCBA cDNA clone T	1	TACCTGAAGGTGTAGAGAGTGCCCG CATCCAGCAAGGCCAACAGCTCCAC
7426	Table 3A	Hs.11050	BE763412	10193336	mRNA; cDNA DKFZp434C0118 (from clone DKFZp434C0118); partial cds /cds=(0,1644)	1	CTGTGTTTTTCCCAAAGCAACAATTC AAACAAAGTAGGAGCCACTGACA
7427	Table 3A	NA	BF330908	11301656	RC3-BT0333-310800-115-f11 BT0333 cDNA, mRNA sequence	1	GACTCCGAGCTCAAGTCAGTCTGTAC CCCCAACCCCTAACCCACTGCATC
7428	Table 3A	NA	BF357523	11316597	CM2-HT0945-150900-379-g06 HT0945 cDNA, mRNA sequence	1	TGTAAGTGACTTTATGTATCACTCAAG TCTTGCCCTTACTGAGTGCCTGA
7429	Table 3A	NA	BF364413	11326438	RC6-NN1068-070600-011-B01 NN1068 cDNA, mRNA sequence	1	TCTCTTAACCAAACTGTAATCTTCA GGACAGCAAACTCAGCCCAAGG
7430	Table 3A	NA	BF373638	11335663	MR0-FT0176-040900-202-g09 FT0176 cDNA, mRNA sequence	1	AACTCTTGGTTAAATGGGTAAATAGA GGATTGGAACTTTGTTTGCTGT
7431	Table 3A	NA	BF740663	12067339	QV1-HB0031-071200-562-h04 HB0031 cDNA, mRNA sequence	1	AGAAGCAAACTGTGAAGCTACTATC GTTTATCATCAGTGTGAATGCACT
7432	Table 3A	NA	BF749089	12075765	MR2-BN0386-051000-014-b04 BN0386 cDNA, mRNA sequence	1	GGACTAACTCCACCTCCTCTGCTAC TTCCAGCTGCTTCTAATCACACTT
7433	Table 3A	NA	BF758480	12106380	MR4-CT0539-141100-003-d05 CT0539 cDNA, mRNA sequence	1	AGTCTTCCACCGACTGAGGTATCAC ACAACAGCTCTGTTTTACTCCTG
7434	Table 3A	NA	BF773126	12121026	CM3-IT0048-151200-568-f08 IT0048 cDNA, mRNA sequence	1	TTAGCTGGTACATTGTTCAGAGTTTA CTGGGAGCCGGTAAGATGTCACC
7435	Table 3A	NA	BF773393	12121293	CM2-IT0039-191200-638-h02 IT0039 cDNA, mRNA sequence	1	AGCGTGATGCTTCTCATGTCCGGTGA TTTTCTGTTGAGACATCTTCAAGC
7436	Table 3A	NA	BF805164	12134153	QV1-CI0173-061100-456-f03 CI0173 cDNA, mRNA sequence	1	ACAAAAGTATGGAATTCATTTCTTTT ATATGCTGCAGCCATGTTCTGCCCT
7437	Table 3A	NA	BF818594	12156027	MR3-CI0184-201200-009-a04 CI0184 cDNA, mRNA sequence	1	TGTAATTGATTTCCGCATAAACGGTC ATTACTGGCAGCTTGGCAGCACC
7438	Table 3A	NA	BF827734	12171909	RC6-HN0025-041200-022-F08 HN0025 cDNA, mRNA sequence	1	GTGATCCACTTGGAGCTGCTACTGGT CCCATTGAGTCCTATAGTACTTCA
7439	Table 3A	NA	BF845167	12201450	RC5-HT1035-271200-012-F08 HT1035 cDNA, mRNA sequence	1	TGCCATGAAATCTCTATTAATTTCTCAG AAAGATCAAAGGAGTCCCGTGT
7440	Table 3A	NA	BF869167	12259297	IL5-ET0119-181000-181-b11 ET0119 cDNA, mRNA sequence	1	CCCACCTGGCAATCCTCAAGTGTGA CCCTAGTCATCTTCTCCTTTTGG
7441	Table 3A	NA	BF875575	12265705	QV3-ET0100-111100-391-c02 ET0100 cDNA, mRNA sequence	1	GCTAAACAGAAAAGAACCTGAAGTAC AGTCCCGTCTTCAAAGAAGATGC
7442	Table 3A	NA	BF877979	12268109	MR0-ET0109-171100-001-b02 ET0109 cDNA, mRNA sequence	1	ATCCTCCTCCCTGGGATGGCATAGA AGAGACTTTAAACCAATGAGCC
7443	Table 3A	NA	BF897042	12288501	IL2-MT0179-271100-254-C11 MT0179 cDNA, mRNA sequence	1	GTCAGTAAGCTCTGCCCTGCCAAGAG ACACAGTGAGAGGTGTCCACAGTC
7444	Table 3A	NA	BF898285	12289744	QV1-MT0229-281100-508-e11 MT0229 cDNA, mRNA sequence	1	GTTTCCACTTAGTTACTTCTTCTACC TGCTGTGAAGCTCTGCACCCTGC
7445	Table 3A	NA	BF899464	12290923	IL5-MT0211-011200-317-f03 MT0211 cDNA, mRNA sequence	1	AGAGTAATCCACATCCCGAGGACAGT CACAATGACCTACGGCTTAGCTG
7446	Table 3A	Hs.324473	BF904425	12295884	40 kDa protein kinase related to rat ERK2 /cds=(134,1180)	1	GCAGGGCTACACCAAGTCCATTGATA TTTGGTCTGTAGGCTGCATTCTGG
7447	Table 3A	NA	BF906114	12297573	IL3-MT0267-281200-425-A05 MT0267 cDNA, mRNA sequence	1	TCTTCTCTAAATGCCCTCCTCTCCTT CCTTTTCCAGACCTGGTTTAAA
7448	Table 3A	Hs.104679	BF926187	12323197	Homo sapiens, clone MGC:18216 IMAGE:4156235, mRNA, complete cds /cds=(2206,2373)	1	TCGCCATTGGTAGTTCCACAGTGAC TGCTCTTCTATTTCAGGAAGCCAC
7449	Table 3A	Hs.75703	BF928644	12326772	small inducible cytokine A4 (homologous to mouse Mip-1b) (SCYA4), mRNA /cds=(108,386)	1	GTAGATTACTATGAGACCAGCAGCCT CTGCTCCAGCCAGCTGTGGTGTG

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7450	Table 3A	NA	BG006820	12450386	RC4-GN0227-271100-011-d03 GN0227 cDNA, mRNA sequence	1	TTTCCTTTTCGGCTGACTTTCTCACTCA CTGTCTGTCTCTCATTTTCTCCA
7451	Table 3A	NA	F11941	706260	HSC33F051 normalized infant brain cDNA cDNA clone c-33f05, mRNA sequence	1	TGGTAAGTTTCTTGGCAGTGTGGAGAC AGGGGAATAATCTCAACAGTAGGT
7452	Table 3A	NA	U46388	1236904	HSU46388 Human pancreatic cancer cell line Patu 8988t cDNA clone xs425, mRNA sequence	1	CCATGGTGGTGCTTGACTTTGCTTTG GGGCTTAATCCTAGTATCATTTGG
7453	Table 3A	NA	U75805	1938265	HSU75805 Human cDNA clone f46, mRNA sequence	1	TCAGTGGGTGTTGTTGTCCATTAGT TGAGACTTAGTTGTGCTCTGGGA
7454	Table 3A	NA	W27656	1307658	36f10 Human retina cDNA randomly primed sublibrary cDNA, mRNA sequence	1	GGCTGGACAGCAGATGATTCAAATCT CAATACTACATGCCCATCTGTGG
7455	literature	NA	X17403	59591	Human cytomegalovirus strain AD169 complete genome	1	AATAATAGATTAGCAGAAGGAATAAT CCGTGCGACCGAGCTTGTGCTTCT
7456	literature	NA	X17404	59591	Human cytomegalovirus strain AD169 complete genome	1	TTTTGCCAATTTTATAGGAACCCAGCAA GTCAACAAAAGACTAACAAAGAAA
7457	literature	Hs.2799	X17405	59591	Cartilage linking protein 1	1	GAGATCGACATCGTTCATCGACCGAC CTCCGCAGCAACCCGTACCCAATCC
7458	literature	Hs.2159	X17406	59591	mRNA for cartilage specific proteoglycan	1	ACATTCAAAAGTTTGAGCGTCTTCAT GTACGCCGTTTTCGGCCCTCACGAG
7459	literature	NA	X17407	59591	Human cytomegalovirus strain AD169 complete genome	1	CCAACGACACATCCACAAAATCCCC CATCGACTCTCACAATCGCATCAT
7460	literature	NA	X17408	59591	Human cytomegalovirus strain AD169 complete genome	1	CTTTGAGCAGGTTCTCAAGGCTGTAA CTAACGTGCTGTGCGCCGCTTTTC
7461	literature	NA	X17409	59591	Human cytomegalovirus strain AD169 complete genome	1	GATGTCCGTCTACGCGCTATCGGCC ATCATCGGCATCTATCTGCTCTACC
7462	literature	NA	X17410	59591	Human cytomegalovirus strain AD169 complete genome	1	TCTTCTGGGACGCCAACGACATCTAC CGCATCTTCGCCGAATTGGAAGGC
7463	literature	NA	X17411	59591	Human cytomegalovirus strain AD169 complete genome	1	ACGAACAGAAATCTCAAAGACGCTG ACCCGATAAGTACCGTCACGGAGA
7464	literature	NA	X17412	59591	Human cytomegalovirus strain AD169 complete genome	1	AGAGAACAACAAAACACACACGACGA TGAAACAAAACGCTCAACCAAACA
7465	literature	NA	X17413	59591	Human cytomegalovirus strain AD169 complete genome	1	CTGCATCGTCGTCGTCCTCCTCTCT CGGAGATCGCGACGGAGAAACAAC
7466	literature	NA	X17414	59591	Human cytomegalovirus strain AD169 complete genome	1	CTGAGCCTGGCCATCGAGGACGCCA TCCAGGACCTGAGGAACAAGTCTCA
7467	literature	NA	X17415	59591	Human cytomegalovirus strain AD169 complete genome	1	CCTCTGGAGGCAAGAGCACCCACCC TATGGTGACTAGAAGCAAGGCTGAC
7468	literature	NA	X17416	59591	Human cytomegalovirus strain AD169 complete genome	1	TTCGTGGGACCAAGTTTCGAAAGAA CTACACTGTCTGCTGGCCGAGTTT
7469	literature	NA	J01917	209811	Adenovirus type 2, complete genome	1	CTGTGGAATGTATCGAGGACTTGCTT AACGAGTCTGGGCAACCTTGGAC
7470	literature	NA	J01918	209811	Adenovirus type 2, complete genome	1	GCTGGCCTGCACCCGCGCTGAGTTT GGCTCTAGCGATGAAGATACAGATT
7471	literature	NA	J01919	209811	Adenovirus type 2, complete genome	1	GGGGCGGTTAGGCTGTCTCCTTCT CGACTGACTCCATGATCTTTTTCTG
7472	literature	NA	J01920	209811	Adenovirus type 2, complete genome	1	TGTTTGCCTATTATTATGTGGCTTAT TTGTTGCCCTAAAGCGCAGACGCG
7473	literature	Hs.250596	J01921	209811	xy45f10.x1 cDNA, 3' end /clone=IMAGE:2856139 /clone_end=3'	1	ACGGTGATCAATATAAGCTATGTGGT GGTGGGGCTATACTACTGAATGAA
7474	literature	NA	J01922	209811	Adenovirus type 2, complete genome	1	TTTCTGCCCTGAAGGCTTCTCCCTC CCCAATGCCGTTTAAAAACATAAAT
7475	literature	NA	J01923	209811	Adenovirus type 2, complete genome	1	GGCTTATGCCATGTATCTGAACATC CAGAGTCACCTTTACCACTCCTG
7476	literature	NA	J01924	209811	Adenovirus type 2, complete genome	1	CTACTGCCGTACAGCGAAAGCCGCC CCAACCCGCGAAACGAGGAGATATG
7477	Table 3A	NA	AA077131	1836605	7B08E10 Chromosome 7 Fetal Brain cDNA Library cDNA clone 7B08E10, mRNA sequence	-1	CAGATAGTGGTATTTGGGTGCTGGG CTTGCTGACCTGAGGAGGTGGCTG
7478	Table 3A	NA	AA501725	2236692	ng18e12.s1 NCI_CGAP_Lip2 cDNA clone IMAGE:929806 similar to contains Alu repetitive element, mRNA	-1	AACTCCATAGAGAAAGACTACGAATT TCGCTGGGAGGTAATAGGGAAGCC
7479	Table 3A	NA	AA501934	2236901	nh56a10.s1 NCI_CGAP_Pr8 cDNA clone IMAGE:956346, mRNA sequence	-1	GCATTTAGGAAAGACAGGTGAGTGTG CCACAACACTACCTAACACATCAGCA
7480	Table 3A	NA	AA579400	2357584	nf33d05.s1 NCI_CGAP_Pr1 cDNA clone IMAGE:915561 similar to contains Alu repetitive element; contains	-1	TTACTTTGTCTTCTCTCACCATCCTAA AACGTTGTTTTGCTGAGCATGAA
7481	Table 3A	NA	AF249845	8099620	isolate Siddi 10 hypervariable region I, mitochondrial sequence	-1	CCCCAGACGAAATACCAATGCATG GAGAGCTCCCGTGAGTGGTTAATA
7482	db mining	Hs.277051	AI630242	4681572	ad07c09.y1 cDNA /clone=ad07c09- (random)	-1	GCCTAAGTTTCCAGAAAGCTTTGACG ATGGAGAGCATGCAAGCAGGTAA
7483	db mining	Hs.277052	AI630342	4681672	ad08g11.y1 cDNA /clone=ad08g11- (random)	-1	TTTTGCAGTTCAGGATTTGGTGGGAA ACGTTTGTATGTGTTGGGTGGGG

Table 8

7484	db mining	NA	AI732228	5053341	nf19e05.x5 NCI_CGAP_Pr1 cDNA clone IMAGE:914240 similar to contains Alu repetitive element; mRNA s	-1	AATAGATTTCATTTCTTCTCGAGT TAGTTGGGTATTGGGACCTTGAA
7485	Table 3A	Hs.197803	AW379049	6883708	mRNA for KIAA0160 gene, partial cds /cds=(0,2413)	-1	CGACGGTGTCTGGAGTTTCGATGAG ACATGTAAGTAAGATTCTGTGCA
7486	Table 3A	Hs.232000	AW380881	6885540	UI-H-BI0p-abh-h-06-0-UI.s1 cDNA, 3' end /clone=IMAGE:2712035 /clone_end=3'	-1	ATATTCCAGCAGTGGCTGTGAAATTGG ATTTGAATTACCGGGATACATGCA
7487	Table 3A	Hs.325568	AW384988	6889647	602386081F1 cDNA, 5' end /clone=IMAGE:4514972 /clone_end=5'	-1	ACTGGTTTTCTATTCTAGTGTCCCCCA CCCGTCTAGTTTCATTTCTCTGTA
7488	Table 3A	NA	AW836389	7930363	PM0-LT0030-101299-001-f08 LT0030 cDNA, mRNA sequence	-1	TTGGGAGTCACCAGGTTAAAGCAAAG CCTCAGTCACTGAAAGCAGAACT
7489	Table 3A	NA	AW837717	7931691	CM2-LT0042-281299-062-e11 LT0042 cDNA, mRNA sequence	-1	TCCTGTGCTCCAGAATTAGTGATTGC TTTGGTGTCTTAACCTTGAAGTGGGA
7490	Table 3A	NA	AW837808	7931782	CM1-LT0042-100300-140-f05 LT0042 cDNA, mRNA sequence	-1	CATCTGCTCTGCTTCCTCACACACTA GAAACACCACTGCCCCATCCATG
7491	Table 3A	NA	AW842489	7936472	PM4-CN0032-050200-002-c11 CN0032 cDNA, mRNA sequence	-1	TCTGTGATTATAGACTGTTTTCAGGA AACGATCTTCCCATCTGTGGTGA
7492	Table 3A	NA	AW846856	7942373	QV3-CT0195-011099-001-c09 CT0195 cDNA, mRNA sequence	-1	TCATTTCAAGGTCTAATAAACCACTAA CCTCGGCAGCACTGGAGCGCTCG
7493	Table 3A	NA	AW856490	7952183	PM4-CT0290-271099-001-c04 CT0290 cDNA, mRNA sequence	-1	AGCTTAGGATATCTATTAGTGTTCAGT GTTCGGGCAAGAGGCTTAAGGG
7494	Table 3A	NA	AW891344	8055549	PM2-NT0079-030500-001-a04 NT0079 cDNA, mRNA sequence	-1	TGGGAACACACTGGCCATTATATAG AGAAAAATAAACATGATCCCCAT
7495	Table 3A	NA	BE061115	8405765	QV0-BT0041-011199-039-f09 BT0041 cDNA, mRNA sequence	-1	TTGCTTGATTTCCCAAACTACCT GAAGGTGGCTTATGGTCTAACGCT
7496	Table 3A	NA	BE086076	8476469	PM2-BT0672-130400-006-h09 BT0672 cDNA, mRNA sequence	-1	TTCCACCACTTCAAGACTGGGGGCA GGTAGAGAAAGCAAGCATAAGTACA
7497	Table 3A	NA	BE091932	8482384	IL2-BT0733-130400-068-C11 BT0733 cDNA, mRNA sequence	-1	TTCTTCTCTGCCCTAACGAATGTT CTCTCTTGCTTCCACACCTCC
7498	Table 3A	Hs.173334	BE160822	8623543	ELL-RELATED RNA POLYMERASE II, ELONGATION FACTOR (ELL2), mRNA /cds=(0,1922)	-1	CAGCACATCTCTGGTTTACAGATTG GGTAATATGAAAGCTGGAGATGC
7499	Table 3A	NA	BE163106	8625827	QV3-HT0457-060400-146-h10 HT0457 cDNA, mRNA sequence	-1	TATCTAAATTCTACCTTTAGCATCCAA CTAGCTACCGCTCTGGCACTGGCC
7500	Table 3A	Hs.301497	BE168334	8631159	arginine-tRNA-protein transferase 1-1p (ATE1) mRNA, alternatively spliced product, partial cds /cds=(0,1544)	-1	TCCAATGCTCAAGTCACTCTGAGTCT TTGCTGGTGCAACCTACAATGCC
7501	Table 3A	Hs.172780	BE176373	8639102	602343016F1 cDNA, 5' end /clone=IMAGE:4453466 /clone_end=5'	-1	ACCTCACTATAGTAGCCATTAGGTAA AGATGGGCCATATCCAAATGGCT
7502	Table 3A	NA	BE177661	8656813	RC1-HT0598-020300-011-h02 HT0598 cDNA, mRNA sequence	-1	AAGAAGTATTCCTTTGAGAATCTTTCC TACTGGGAGTTACTGCTGTGATT
7503	Table 3A	NA	BE178880	8658032	PM1-HT0609-060300-001-g03 HT0609 cDNA, mRNA sequence	-1	TCTGTGTGAACATACATACAGGACTT TGATTCTACCTGTGCGCTGACCAT
7504	Table 3A	Hs.86543	BE247056	9098807	602495247F1 cDNA, 5' end /clone=IMAGE:4609330 /clone_end=5'	-1	GTGGAGCTTGTGGCTTGTGCTGGATG CGGGCACTCTCTACACCTTCAGGTA
7505	Table 3A	Hs.11050	BE763412	10193336	mRNA; cDNA DKFZp434C0118 (from clone DKFZp434C0118); partial cds /cds=(0,1644)	-1	TGTCAGTGGCTCTCACTTTGTTTGA AATTGTTGCTTTGGGAAAAACACAG
7506	Table 3A	NA	BF330908	11301656	RC3-BT0333-310800-115-f11 BT0333 cDNA, mRNA sequence	-1	GATGCAGTGGGTTAGGGTTGGGGG TACAGACTGAGTTGAGCTCGGAGTC
7507	Table 3A	NA	BF357523	11316597	CM2-HT0945-150900-379-g06 HT0945 cDNA, mRNA sequence	-1	TCAGGCACTCAGTAAAGGCAAGACTT GAGTGATACATAAAGTCAGTTACA
7508	Table 3A	NA	BF364413	11326438	RC6-NN1068-070600-011-B01 NN1068 cDNA, mRNA sequence	-1	CCTTGGGCTGAGTTTGTGGTCTGA AGATTACAGTTTGGTTAGAGAGA
7509	Table 3A	NA	BF373638	11335663	MR0-FT0176-040900-202-g09 FT0176 cDNA, mRNA sequence	-1	ACAGCAAACAAAGTGTTCCAATCCTC TATTAACCCATTTAACCAAGAGTT
7510	Table 3A	NA	BF740663	12067339	QV1-HB0031-071200-562-h04 HB0031 cDNA, mRNA sequence	-1	AGTGCACTTCACTGATGATAACAGA TAGTAGCTTCAAGGTTTGCTTCT
7511	Table 3A	NA	BF749089	12075765	MR2-BN0386-051000-014-b04 BN0386 cDNA, mRNA sequence	-1	AAGTGTGATTAGAAGCACTGGAAGT AGCAGAGGAGGTGGAAGTTAGTCC
7512	Table 3A	NA	BF758480	12106380	MR4-CT0539-141100-003-d05 CT0539 cDNA, mRNA sequence	-1	CAGGAGTAAACACAGAGCTGGTTGTG TATACCTATGCTGGGTGGAAGACT
7513	Table 3A	NA	BF773126	12121026	CM3-IT0048-151200-568-f08 IT0048 cDNA, mRNA sequence	-1	GGTGACTATCTTACCGGCTCCAGTA AACTCTGAACAATGTACCAGCTAA
7514	Table 3A	NA	BF773393	12121293	CM2-IT0039-191200-638-h02 IT0039 cDNA, mRNA sequence	-1	GCTTGAAGATGTCTCAACAGAAATC ACCGACATGAGGAAGCATCACGCT
7515	Table 3A	NA	BF805164	12134153	QV1-CI0173-061100-456-f03 CI0173 cDNA, mRNA sequence	-1	TCTAGGGCAGGAACATGGCTGCAGC ATATAAAAAGAAATTGAATCCATACTT
7516	Table 3A	NA	BF818594	12156027	MR3-CI0184-201200-009-a04 CI0184 cDNA, mRNA sequence	-1	GGTGCTGCCATAGGTGCCAGTAATG ACCGTTTATGCGGAAATCAATTACA
7517	Table 3A	NA	BF827734	12171909	RC6-HN0025-041200-022-F08 HN0025 cDNA, mRNA sequence	-1	TGAAGTACTATTAGGACTCAATGGGAC CAGTAGCAGCTCCAAGTGGATCAC
7518	Table 3A	NA	BF845167	12201450	RC5-HT1035-271200-012-F08 HT1035 cDNA, mRNA sequence	-1	ACACGGGACCTCCTTTGATCTTTCTG AGAATTAATAGAGATTCATGGCA

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7519	Table 3A	NA	BF869167	12259297	IL5-ET0119-181000-181-b11 ET0119 cDNA, mRNA sequence	-1	CCAAAAGGAGAAAGATGACTAGGGT CACACTTGAGGATTTGCCAGGTGGG
7520	Table 3A	NA	BF875575	12265705	QV3-ET0100-111100-391-c02 ET0100 cDNA, mRNA sequence	-1	GCATCTTCTTTGAAGACGGGAACGT ACTTCAGGTTCTTTCTGTTTAGC
7521	Table 3A	NA	BF877979	12268109	MRO-ET0109-171100-001-b02 ET0109 cDNA, mRNA sequence	-1	GGCTCATTTGGTTTTAAAGTCTCTTCT ATGCCATCCCAGGGGAGGAGGAT
7522	Table 3A	NA	BF897042	12288501	IL2-MT0179-271100-254-C11 MT0179 cDNA, mRNA sequence	-1	GACTGTGGACACCTCTCACTGTGTCT TCTTGGCAGGCAGAGCTTACTGAC
7523	Table 3A	NA	BF898285	12289744	QV1-MT0229-281100-508-e11 MT0229 cDNA, mRNA sequence	-1	GCAGGGTGCAGAGCTTCACAGCAGG TAGGAAGAAGTAAGTGGAAC
7524	Table 3A	NA	BF899464	12290923	IL5-MT0211-011200-317-f03 MT0211 cDNA, mRNA sequence	-1	CAGCTAAAGCCGTAGGTCATTGTGAC TGTCCCTGGGATGTGGATTACTCT
7525	Table 3A	Hs.324473	BF904425	12295884	40 kDa protein kinase related to rat ERK2 /cds=(134,1180)	-1	CCAGAAATGCAGCCTACAGACCAATA TCAATGGACTTGGTGATGCCCTGC
7526	Table 3A	NA	BF906114	12297573	IL3-MT0267-281200-425-A05 MT0267 cDNA, mRNA sequence	-1	TTTAAACCAAGGTCTGGAAAAAGGAAG GAGAGGAGGGCATTTTAGAGAAGA
7527	Table 3A	Hs.104679	BF926187	12323197	Homo sapiens, clone MGC:18216 IMAGE:4156235, mRNA, complete cds /cds=(2206,2373)	-1	GTGGCTTCGTAAAAATAGAAGCAGT CACTGTGGAACACCAAATGCCGA
7528	Table 3A	Hs.75703	BF928644	12326772	small inducible cytokine A4 (homologous to mouse Mip-1b) (SCYA4), mRNA /cds=(108,386)	-1	CACACCACAGCTGGCTGGGAGCAGA GGCTGCTGGTCTCATAGTAATCTAC
7529	Table 3A	NA	BG006820	12450386	RC4-GN0227-271100-011-d03 GN0227 cDNA, mRNA sequence	-1	TGGAGAAAATGAGAGACAGACAGTG AGTGAGAAAGTCAGCGAAAAGGAAA
7530	Table 3A	NA	F11941	706260	HSC33F051 normalized infant brain cDNA cDNA clone c-33f05, mRNA sequence	-1	ACCTACTGTTGAGATTATTCCTCTGT CTCCACACTGCCAGAACTTACCA
7531	Table 3A	NA	U46388	1236904	HSU46388 Human pancreatic cancer cell line Patu 8988t cDNA clone xs425, mRNA sequence	-1	CCAAATGATACTAGGATTAAGCCCCA AAGCAAAGTCAAGCACCACCATGG
7532	Table 3A	NA	U75805	1938265	HSU75805 Human cDNA clone f46, mRNA sequence	-1	TCCCAGAGCAACAACCTAAGTCTCAAC TAATGGACAACCAACCCACTGA
7533	Table 3A	NA	W27656	1307658	36f10 Human retina cDNA randomly primed sublibrary cDNA, mRNA sequence	-1	CCACAGAATGGGCATGTAGATTGAG ATTTGAATCATCTGCTGTCCAGCC
7534	literature	Hs.99962	BC005929	13543541	proteoglycan 2, bone marrow (natural killer cell activator, eosinophil granule major basic protein) (PRG2), mRNA /cds=(857,1525)	1	TACTGGCGTCGAGCCCCACTGCCTCA GAAGACTTCCTTTCATCTGTTCTTA
7535	literature	Hs.46295	X14346	31182	eosinophil peroxidase (EPX), mRNA /cds=(0,2147)	1	GTTTCAAGGGACATCTTCAGAGCCAA CATCTACCCTCGGGGCTTTGTGAA
7536	literature	Hs.1256	J05225	179076	arylsulfatase B (ARSB), mRNA /cds=(559,2160)	1	CTACAGTCTTACCATAAACACTCAGT CCCCCTGTACTTCCCTGCACAGGA
7537	literature	Hs.728	M28129	556208	ribonuclease, RNase A family, 2 (liver, eosinophil-derived neurotoxin) (RNASE2), mRNA /cds=(71,556)	1	TAGTTCGATGTGACAAACAGAGATCAA CGACGAGACCCTCCACAGTATCCG
7538	literature	Hs.889	NM_001828	6325464	Charot-Leyden crystal protein (CLC), mRNA /cds=(33,461)	1	TTGACCATAGAATCAAGCCTGAGGCT GTGAAGATGGTGCAAGTGTGGAGA
7539	literature	Hs.135626	M69136	180539	chymase 1, mast cell (CMA1), mRNA /cds=(0,743)	1	CTGCTGTCTTCACCCGAATCTCCCAT TACCGGCCCTGGATCAACAGATC
7540	literature	Hs.334455	NM_003293	13699841	tryptase, alpha (TPS1), mRNA /cds=(17,844)	1	GTCACCTGGAGGACCAACCCCTGCTG TCCAAAACACCACTGCTTCTTACCC
7541	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	CATGCCATGCATATTTCAACTGGGGCT GTCTATTTTTGACACCAGCTTATT
7542	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	GAGAAGCACCTCAACCTGGAGACAA TCTACTGTTCAAACAGCAGCAGCA
7543	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	ACTTGTGAGGGCCATTTCTCTCCGG GCACCTGGTCACTAGGACTGTTTT
7544	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	GACAGCGTCCTAGAAACCTGGCGA, CCATTGCCTCCAGCGGGATAGAGTG
7545	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	CATCCTCTGGAGCCTGACCTGTGATC GTCGCATCATAGACCGCAGTAGA
7546	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	GCCTCCACACGACATCACACCATATA CCGCAAGGAATATCAGGGATGCTG
7547	literature	Hs.279852	BC004555	13528716	G protein-coupled receptor (G2A), mRNA /cds=(900,2042)	1	ACAGCCATCTGCCCTTGAGAGTCAT CAGAAAAATACATTAGGAAAATGT
7548	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	ACCTTCGTCTTCTGAGTCTCATGCCT CAAAACCTAGTTTATAGACAGGA
7549	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	AGATGGCTACCCCTCTGATTATGATC CTTTCGTAGAAAATGCTCAAATCT
7550	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	ATGCATCGCCGACAAGTCTTGAATTA GGATTGTCGAAATTAGACAAAGAA
7551	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	CGGGTGTGTTCAATCATCGACGGTGA CAATCCTATCTCCATCTATAATCC
7552	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	GAAGAGCGAAATGCAATCTTCTGCTT CTTCACTAGACACTTTACAGTCT
7553	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	GCACATCCATCGCCAAAGTGAAGTC TGCAAGGATGCCATTTATTGGTTG
7554	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	TCTCGGTTTACCTTTTGTGTTGTG GTTCTTTGTTCTGCTGGTTGCT

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7555	literature	NA	NC_001345	9625578	Human herpesvirus 4, complete genome	1	TCTGAATACTCTACAAAACGCTCCTTGTCTGCTCTTAAACCATCTGTGT
7556	literature	NA	NC_001345	9625578	Human herpesvirus 6, complete genome	1	TGAAGCTGACACCTGTGAAACAACTTAAACGCATGTTCTTCTGACTCAG
7557	literature	NA	NC_001345	9625578	Human herpesvirus 6, complete genome	1	TTCTGTTTTGGGCCAGGAACCGTTCTATAAATTGTTTTATTGACTACACG
7558	literature	NA	NC_001345	9625578	Human herpesvirus 6, complete genome	1	TAACACCGTCCAAGAAATTTTGCCGTGTGTCCCCATACTTCTCTAGGGC
7559	literature	NA	NC_001345	9625578	Human herpesvirus 6, complete genome	1	AGAAGAGGATCAGATGGAGAGTTGAAAACTTAGCTGGTAAGTACATGA
7560	literature	NA	NC_001345	9625578	Human herpesvirus 6, complete genome	1	CCGATACCGGCAAGATCTGTCGTCTGCGAAACTCGTTTTCCACCTTATGG
7561	literature	NA	NC_001664	9628290	Human herpesvirus 6, complete genome	1	CTGTGGGTCCCTCCCTCATCTGTTATTCCCTTCCCTCTGCCACCGAT
7562	db mining	Hs.159568	AI382620	4195401	qz04e10.x1 cDNA, 3' end /clone=IMAGE:2020554 /clone_end=3'	1	ACTACATTTTAATTAAGATTAATGGGCATATTAGAAGTTTCTCAAAGTTAGGCT
7563	db mining	Hs.129055	NM_002540	4505490	Homo sapiens, Similar to outer dense fiber of sperm tails 2, clone MGC:9034 IMAGE:3874501, mRNA, complete cds /cds=(656,2947)	1	AAAAGGAGTGAGCTATCATCAGTGCTGTGAAATAAAGTCTGGTGTGCCA
7564	db mining	Hs.12329	AB014597	3327207	mRNA for KIAA0697 protein, partial cds /cds=(0,2906)	1	AAAGCCACCAGTGTCCAGTCAGCATATACAAGCTCTTAATATTCTGTT
7565	db mining	Hs.119177	NM_001659	4502202	ADP-ribosylation factor 3 (ARF3), mRNA /cds=(311,856)	1	AAATGTGGGATAACGCGATGACTGTGACCTGGTTGGAAATTAAACCTTGT
7566	db mining	Hs.12379	BC003376	13097227	Homo sapiens, ELAV (embryonic lethal, abnormal vision, Drosophila)-like 1 (Hu antigen R), clone MGC:5084 IMAGE:2901220, mRNA, complete cds /cds=(142,1122)	1	AACACAGAAACATTTGAGCATTGTATTCTCGCATCCCTTCTCGTGAGCG
7567	db mining	Hs.319886	AL589290	13243062	DKFZp451F1715_r1 cDNA, 5' end /clone=DKFZp451F1715 /clone_end=5'	1	AACCTATCAAAGCCTAGCCTAAGGGCTGCCATCTCTGTCTAAATTCTAGT
7568	db mining	Hs.315597	NM_015960	7705727	cDNA FLJ10280 fis, clone HEMBB1001288, highly similar to CGI-32 protein mRNA /cds=UNKNOWN	1	AACTGCATGGTATGAATTCAGAGTGTGACTTAAGGGTCAATTCAAAGCAG
7569	db mining	Hs.110457	AF071594	3249714	MMSET type I (WHSC1) mRNA, complete cds /cds=(29,1972)	1	ACAGACTTTTGTTAATGTAGGAAATCTCTCCAAGTGGAACGTGCTAACTT
7570	db mining	Hs.144904	NM_006311	5454137	nuclear receptor co-repressor 1 (NCOR1), mRNA /cds=(240,7562)	1	ACAGGCAATTCAGTGGACTATAATAATAGTGGAGGGTTGAGATTAGAT
7571	db mining	Hs.118064	NM_022731	12232386	similar to rat nuclear ubiquitous casein kinase 2 (NUCKS), mRNA /cds=(66,557)	1	ACAGGTCACAGTGGATTCTTTTCAAACACTGACAAATGTTTAGGTTTAAAGC
7572	db mining	Hs.337616	NM_000753	4502924	phosphodiesterase 3B, cGMP-inhibited (PDE3B), mRNA /cds=(0,3338)	1	ACCTCAAGCAGATGAGATTCTAGGTAA TTGAAGAGGCAGATGAAGAGGAAT
7573	db mining	Hs.152049	AW962287	8152099	EST374360 cDNA	1	ACCTTCTACACCACTGGAAAATAACA TGGAGGTTTAGAGCCGTGCAAAAT
7574	db mining	Hs.115325	NM_003929	4506374	RAB7, member RAS oncogene family-like 1 (RAB7L1), mRNA /cds=(40,651)	1	ACTAACTCTGAGGCCCTGAAGTTCTGTGATAGACCTTAAATAAGTGTCT
7575	db mining	Hs.119178	AK024466	10440445	mRNA for FLJ00059 protein, partial cds /cds=(2624,4057)	1	ACTGGGGTGGTGATGTTTTCTGTCTGTTTTATTTTTCTAACTCTGCTGAC
7576	db mining	Hs.183698	NM_000269	4557796	ribosomal protein L29 (RPL29), mRNA /cds=(29,508)	1	ACTTCATCATAATTTGGAGGGAAGCTCTTGGAGCTGTGAGTTCTCCCTGT
7577	db mining	Hs.15767	AB023166	4589541	mRNA for KIAA0949 protein, partial cds /cds=(0,2822)	1	AGAACGAGGAAGAGAACACAAGGAA TGATTCAAGATCCACCTTGAGAGGA
7578	db mining	Hs.108104	NM_003347	4507788	ubiquitin-conjugating enzyme E2L 3 (UBE2L3), mRNA /cds=(15,479)	1	AGAGAATAGGCTTTCTAAGATGCTGCGATCCGTTCTGCTGCCGTAATA
7579	db mining	Hs.163593	NM_000980	11415025	ribosomal protein L18a (RPL18A), mRNA /cds=(19,549)	1	AGCACAAAGCCACGCTTACCACCAA GAGGCCAACACCTTCTCTAGGTG
7580	db mining	Hs.121044	L39061	632997	transcription factor SL1 mRNA, partial cds /cds=(0,1670)	1	AGGCCAATCACTGCTGACTAAGAATT CATTATATTGCTTATGACACAGA
7581	db mining	Hs.309348	NM_032472	14277125	tc93c11.x1 cDNA, 3' end /clone=IMAGE:2073716 /clone_end=3'	1	AGGGAAGATTTCTGTATACTTGCTGGAGAGGAGGAATGTGTATAGTTACT
7582	db mining	Hs.16493	AK027866	14042851	cDNA FLJ14960 fis, clone PLACE4000192, weakly similar to ZINC FINGER PROTEIN 142 /cds=(114,3659)	1	AGTTTTAATACCTTAAGCTTTTTCAAGACCTAAGTGCAGCCGCTTGGGA
7583	db mining	Hs.1342	NM_001862	4502982	cytochrome c oxidase subunit Vb (COX5B), nuclear gene encoding mitochondrial protein, mRNA /cds=(21,410)	1	ATGTGCTGTAAAGTTTCTTCTTTCCAGTAAAGACTAGCCATTGCATTGGC
7584	db mining	Hs.111076	NM_005918	5174540	malate dehydrogenase 2, NAD (mitochondrial) (MDH2), nuclear gene encoding mitochondrial protein, mRNA /cds=(86,1102)	1	ATTGTGGGTGGCTCTGTGGGCGCATCAATAAAGCCGTCCTGATTTTAT
7585	db mining	Hs.107476	NM_006476	5453560	ATP synthase, H ⁺ transporting, mitochondrial F1F0, subunit g (ATP5JG), mRNA /cds=(73,384)	1	ATTTGAGTGTGTTGGACCATGTGTGATCAGACTGCTATCTGAATAAAAT

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7586	db mining	Hs.146354	NM_005809	5902725	peroxiredoxin 2 (PRDX2), mRNA /cds=(89,685)	1	CAAGCCCACCCAGCCGCACACAGGC CTAGAGGTAACCAATAAAGTATTAG
7587	db mining	Hs.12124	NM_018127	11875212	elaC (E. coli) homolog 2 (ELAC2), mRNA /cds=(0,2480)	1	CACCAGACAGAAGCAGAGTAACAGG ATCAGTGGGTCTAAGTGTCCGAGAC
7588	db mining	Hs.154023	AB011145	3043669	mRNA for KIAA0573 protein, partial cds /cds=(0,1356)	1	CAGGAGGTAGGGATCTGGCTGAGAG GGAATAATCTGAGCAAAGGTATGAA
7589	db mining	Hs.109051	NM_031286	13775197	SH3BGR13-like protein (SH3BGR13), mRNA /cds=(71,352)	1	CAGTCCCTCTCCAGGAGGACCCTA GAGGCAATTAATATGATGCTGTTC
7590	db mining	Hs.125307	AA836204	2910523	od22g11.s1 cDNA /clone=IMAGE:1368740	1	CATGAGAAGTATCTGCAATAACCCCA AGTCAACATTAGGTTTGTGTACA
7591	db mining	Hs.16803	NM_018032	8922296	LUC7 (S. cerevisiae)-like (LUC7L), mRNA /cds=(71,1048)	1	CATGTTGAGTAGGAATAAATAATCT GATGCTGCCTCTGAGGCTGCGGG
7592	db mining	Hs.146580	NM_001975	5803010	enolase 2, (gamma, neuronal) (ENO2), mRNA /cds=(222,1526)	1	CCACCACCTCTGTGGCATTGAAATGA GCACCTCCATTAAAGTCTGAATCA
7593	db mining	Hs.14169	AK027567	14042333	cDNA FLJ14661 fis, clone NT2RP2002710, weakly similar to SH3-BINDING PROTEIN 3BP-1 /cds=(70,2481)	1	CCATGCCGCCTCGTTGGATTGTCCG AATGTAGACAGAAATGTAAGTGTCT
7594	db mining	Hs.118625	NM_000188	4504390	hexokinase 1 (HK1), nuclear gene encoding mitochondrial protein, mRNA /cds=(81,2834)	1	CCCACCGCTTTGTGAGCCGTGTCTGA TGACCTAGTAAACTTTGTACCAAT
7595	db mining	Hs.144505	NM_015653	13124762	DKFZP566F0546 protein (DKFZP566F0546), mRNA /cds=(377,1306)	1	CCCACGGGAGACTATTTTCACACAATT TAATACAGGAAGTCGATAATGAGG
7596	db mining	Hs.155751	NM_004889	4757811	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit f, isoform 2 (ATP5J2), mRNA /cds=(27,311)	1	CCCTCCGTGAGGAACACAATCTCAAT CGTTGCTGAATCCTTTCATATCCT
7597	db mining	Hs.10267	NM_015367	7662505	MIL1 protein (MIL1), nuclear gene encoding mitochondrial protein, mRNA /cds=(71,1231)	1	CCGTGTCTTTCCAGCCCTAAAGGAAG GGCAGACCCGTGCTTTCCATGCC
7598	db mining	Hs.14632	BC008013	14124973	Homo sapiens, Similar to CG12113 gene product, clone IMAGE:3532726, mRNA, partial cds /cds=(0,2372)	1	CCTGAAGCACTTCACCTGGAATTGAT GTGTAGGCTTAAGGAGTATGTGAC
7599	db mining	Hs.125156	NM_001488	4503956	transcriptional adaptor 2 (ADA2, yeast, homolog)-like (TADA2L), mRNA /cds=(0,1091)	1	CGCAGGCAAGAGCACTCATCAAGATA GATGTGAACAAAACCCGGAAAAATC
7600	db mining	Hs.159545	NM_013308	7019400	platelet activating receptor homolog (H963), mRNA /cds=(219,1178)	1	CGCTCAAAGGTCACTGAGACTTTTGC CTCACCTAAAGAGACCAAGGCTCA
7601	db mining	Hs.152936	NM_004068	4757993	adaptor-related protein complex 2, mu 1 subunit (AP2M1), mRNA /cds=(135,1442)	1	CGGCTCAGTCCCTACTCTGCTTTGG GATAGTGTGAGCTTCATTTGTAC
7602	db mining	Hs.110857	NM_016310	7706498	polymerase (RNA) III (DNA directed) polypeptide K (12.3 kDa) (POLR3K), mRNA /cds=(39,365)	1	CTAGTGTGTGCTTGCCCTGTCCCTCG GGGTAGATGCTTAGCTGGCAGTAT
7603	db mining	Hs.118666	NM_025207	13376805	hypothetical protein PP591 (PP591), mRNA /cds=(820,1704)	1	CTTTCAGATTCCCTCTGGTCTCCGTC CGAAACGTCTACCTCTCCAGGC
7604	db mining	Hs.16390	AK024453	10440419	mRNA for FLJ00045 protein, partial cds /cds=(106,924)	1	GAAATTCACAGGCCAGGCACATCTT TTATTTATTTTATTATGTTGGCCA
7605	db mining	Hs.109302	AA808018	2877424	nv64d09.s1 cDNA, 3' end /clone=IMAGE:1234577 /clone_end=3'	1	GACTCCCTCAACACCCCAAACTCTA AATGCCACGGTCATCTGTTTCTAT
7606	db mining	Hs.111126	NM_004339	11038670	pituitary tumor-transforming 1 interacting protein (PTTG1IP), mRNA /cds=(210,752)	1	GAGCAGCCACAAAACCTGTAACCTCAA GGAAACCATAAAGCTTGGAGTGCC
7607	db mining	Hs.127376	NM_021645	11063982	KIAA0266 gene product (KIAA0266), mRNA /cds=(733,3033)	1	GCAGCAAACAGAGGGTCAGTCACAG GATGTTCTGACACACCAATTGTAAT
7608	db mining	Hs.108196	NM_016095	7706366	HSPC037 protein (LOC51659), mRNA /cds=(78,635)	1	GCCAACAATGCTGACCGGTGCTTATC CTCTAAGCCCTGATCCACAATAAA
7609	db mining	Hs.117487	AF040965	2792365	unknown protein IT12 mRNA, partial cds /cds=(0,2622)	1	GCCAGTGTAAATTTCTGTCAACCACGG ACGTTTGCCCTCATGTGTAGAATT
7610	db mining	Hs.107882	NM_018171	8922576	hypothetical protein FLJ10659 (FLJ10659), mRNA /cds=(38,1000)	1	GCCCAAGCACTAGTAGAGATGCGCG ATACAGGTCTAGTTTCGGTAAGTGT
7611	db mining	Hs.147585	NM_024785	13376147	hypothetical protein FLJ22746 (FLJ22746), mRNA /cds=(266,1072)	1	GGCCAGATTTTGAATCCAGATTCCCT TTACAAAACGCACTCAATTCATTCA
7612	db mining	Hs.153357	NM_001084	4505890	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3 (PLOD3), mRNA /cds=(216,2432)	1	GGGACTCCCCCGGTGATAAATTATTA ATGTTCCGCAGTCTCACTCTGAAT
7613	db mining	Hs.148495	NM_002810	5292160	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4 (PSMD4), mRNA /cds=(62,1195)	1	GGGACTGCATGGGAAGCACGGAATA TAGGGTTAGATGTGTGTATCTGTA
7614	db mining	Hs.13144	NM_014182	7661819	HSPC160 protein (HSPC160), mRNA /cds=(53,514)	1	GGGGTTCGTGTCTTTGGCATCAACAA ATACTGAGGGATGGGTTTTGGGAC
7615	db mining	Hs.1189	NM_001949	12669913	E2F transcription factor 3 (E2F3) mRNA, complete cds /cds=(66,1463)	1	GGGTGACCTGTTCTCTAGCTGTGATC TTACCACTTCAAATGGGTGTAATT
7616	db mining	Hs.12284	BC001699	12804564	Homo sapiens, clone IMAGE:2989556, mRNA, partial cds /cds=(0,370)	1	GGTGTGAACGGGGCTGACTTGGTGAA TTGGGCAACTCCTTATAGTGTGTG

Table 8

7617	db mining	Hs.158380	AI381581	4194362	td05e04.x1 cDNA, 3' end /clone=IMAGE:2074782 /clone_end=3'	1	GTACCACTTGAATGATTTTCAGTCAATT TTGAACCCCTTTGGAAAGAGGTG
7618	db mining	Hs.1390	BC000268	12653014	Homo sapiens, proteasome (prosome, macropain) subunit, beta type, 2, clone MGC:1664 IMAGE:3352313, mRNA, complete cds /cds=(58,663)	1	GTGAAACCCCGTCTCTGCTAAAAATA CAAAAATTAGCTGGGCGTGGTGGC
7619	db mining	Hs.115808	NM_002287	11231175	leukocyte-associated Ig-like receptor 1 (LAIR1), transcript variant a, mRNA /cds=(57,920)	1	GTTCTCTGGGTTGTGCTTTACTCCAC GCATCAATAATAATTTTGAAGGC
7620	db mining	Hs.119960	AL117477	5911950	mRNA; cDNA DKFZp727G051 (from clone DKFZp727G051); partial cds /cds=(0,1423)	1	TACTGCCAACTGACCTTATAACCCCTC TGCACCTTCAAAAAGATTCATGGT
7621	db mining	Hs.154073	NM_005827	5032212	UDP-galactose transporter related (UGTREL1), mRNA /cds=(87,1055)	1	TCAAACAGTGACATCTCTTGGGAAAA TGGACTTAATAGGAATATGGGACT
7622	db mining	Hs.11747	NM_017798	8923363	hypothetical protein FLJ20391 (FLJ20391), mRNA /cds=(9,602)	1	TCACCTTCCTCTGAAGCTTTACTGCCT GAATGGAGTCTGGACGACATTGG
7623	db mining	Hs.10881	AB011113	3043605	mRNA for KIAA0541 protein, partial cds /cds=(0,3484)	1	TCCACTTAATAGACTCTATGTGTGCT GAATGTTCTGTGTACATATGTGT
7624	db mining	Hs.153850	AK024476	10440465	mRNA for FLJ00069 protein, partial cds /cds=(2657,4396)	1	TCCCGCAGAGTGCAGAGACAGGAAG CTGGAGATGTCTTTATAAAGTCACA
7625	db mining	Hs.247870	AL035694	4678462	DNA sequence from clone 33L1 on chromosome 6q14.1-15. Contains the gene for novel T-box (Brachyury) family protein. Contains ESTs, STSs, GSSs and two putative CpG islands /cds=(0,1505)	1	TCTAGGACCCCTAGGAAGCTTAAGTCT GTCATCATCTCAAGTATCTGCACA
7626	db mining	Hs.324648	NM_003128	4507194	cDNA FLJ13700 fis, clone PLACE2000216, highly similar to SPECTRIN BETA CHAIN, BRAIN /cds=UNKNOWN	1	TCTTCGCCATCTCCTCTGATAAACA CGAGGTGTCTGCCAGCACCCAGAG
7627	db mining	Hs.118722	NM_004480	4758407	fucosyltransferase 8 (alpha (1,6) fucosyltransferase) (FUT8), mRNA /cds=(716,2443)	1	TGATATGTTGATCAGCCTTATGTGGA AGAACTGTGATAAAAAGAGGAGCT
7628	db mining	NA	AL134726	6602913	DKFZp547A1290_r1 cDNA, 5' end /clone=DKFZp547A1290 /clone_end=5'	1	TGCAGTATTTTCAAACCTCTGGTCTG CAAACCCATTAGTAGTTTGTGAAA
7629	db mining	Hs.166887	NM_003915	4503012	copine I (CPNE1), mRNA /cds=(156,1769)	1	TGCTGCTCTTGATCCACCTTTGCTC CTGACAACCCTCATTAATAAAGA
7630	db mining	Hs.146324	AK023182	10434993	cDNA FLJ13120 fis, clone NT2RP3002682, highly similar to CGI- 145 protein mRNA /cds=(176,961)	1	TGGTTTGTTCATGGATGTATTCTAAG AGCTGAGAACAGGGCCTGGACACA
7631	db mining	Hs.12436	AK026309	10439130	cDNA: FLJ22656 fis, clone HSI07655 /cds=UNKNOWN	1	TGTTCTGAATGTTGGTAGACCCTTCA TAGCTTTGTACAATGAACCCCTTG
7632	db mining	Hs.15164	NM_006333	5453582	nuclear DNA-binding protein (C1D), mRNA /cds=(117,542)	1	TGTTGATGGATGAATTTTGGCATGAT GACTGTACTCTCAATAAAGGCTGA
7633	db mining	Hs.130743	AA642459	2567677	ns30d01.s1 cDNA, 3' end /clone=IMAGE:1185121 /clone_end=3'	1	TTCATCCTGTGAGTGCTGGGGAGGA GGAGTAGATACAGACTGAGTGAGAG
7634	db mining	Hs.16492	NM_015497	13794264	DKFZP564G2022 protein (DKFZP564G2022), mRNA /cds=(42,1709)	1	TTCATTTTCTGGGAAGTCAAGGTTA CATCTTGACAGAGGTGTTTTGAGA
7635	db mining	Hs.122552	NM_016426	7705291	G-2 and S-phase expressed 1 (GTSE1), mRNA /cds=(70,2232)	1	TTCTAAGCCGAACCAATCCTTTGCC TTGAAGAAGACCCCTAAAGTGGT
7636	db mining	Hs.312510	AI174807	6361196	HA2528 cDNA	1	TTTGTGTTGTTGTTTTCAGATAGGGTCT CCCTCTGTCAACCCAGGCTGCAGT
7637	db mining	Hs.108258	NM_012090	10048480	actin cross-linking factor (ACF7), transcript variant 1, mRNA /cds=(51,16343)	1	TTTTGTAATCACGGACACCTCAATTA GCAAGAACTGAGGGGAGGGCTTT
7638	db mining	Hs.111092	NM_024724	13376033	hypothetical protein FLJ22332 (FLJ22332), mRNA /cds=(275,1255)	1	CGGTGTGGAAAAATGTTGCTCTTTGAG TGGCAAGAATTAGAAAAATCTTCA
7639	db mining	Hs.114311	NM_003504	4502712	CDC45 (cell division cycle 45, S.cerevisiae, homolog)-like (CDC45L), mRNA /cds=(24,1724)	1	CTGAAAGCTGAGGATCGGAGCAAGT TTCTGGACGCACTTATTTCCCTCT
7640	db mining	Hs.11081	NM_025241	13376853	UBX domain-containing gene 1 (UBXD1), mRNA /cds=(96,1421)	1	GTTGGCCTCAGCCCTGTGGGTCTGT CTCATGCTCTCCCTGTTCTCTCCC
7641	db mining	Hs.100217	NM_005892	5174400	formin-like (FMNL), mRNA /cds=(39,1430)	1	TAGCCATACTTAGCCTCAGCAGGAGC CTGGCCTGTAACATTATAAAGTGCA
7642	db mining	Hs.12258	AL137728	6808258	mRNA; cDNA DKFZp434B0920 (from clone DKFZp434B0920) /cds=UNKNOWN	1	TGAGGGCTGTGCTGACCTTTGAGAG GATTTGAAATTGCTTCATATTGTGA
7643	db mining	Hs.155462	NM_005915	7427518	minichromosome maintenance deficient (mis5, S. pombe) 6 (MCM6), mRNA /cds=(61,2526)	1	TGTGTAAGAAAAGGCCCATTTACTTTT AAGGTATGTGCTGTCTATTGAGC
7644	db mining	Hs.165998	NM_015640	7661625	PAI-1 mRNA-binding protein (PAI- RBP1), mRNA /cds=(85,1248)	1	TTGTTGGTAGGCACATCGTGTCAAGT GAAGTAGTTTTATAGGTATGGGTT
7645	db mining	Hs.164207	NM_024805	13376184	hypothetical protein FLJ21172 (FLJ21172), mRNA /cds=(138,1169)	1	TTTCTAGCTTTTCCGTGTATCTAAACA CAATTTGTACACAAGTCACTGT
7646	db mining	Hs.150275	D87682	1663699	mRNA for KIAA0241 gene, partial cds /cds=(0,1568)	1	ACTGTGGCACATGTTTTGATCAGAAA GGTAGTCTCTTTGCTCTGGTAGT

Table 8

7647	db mining	Hs.11039	NM_024102	13129109	hypothetical protein MGC2722 (MGC2722), mRNA /cds=(69,1097)	1	CATCTTCTGCCCTGGTCCCCTTTCTC
7648	db mining	Hs.102708	NM_015396	7661561	DKFZP434A043 protein (DKFZP434A043), mRNA /cds=(697,1425)	1	TTGATGTGAAAAGTCTGAATGCAG CGCTCTAACTGTCATTCTGTTTCTC CTTTTGTGCCCTGATTGTAATCCA
7649	db mining	Hs.109646	NM_002493	4505364	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6 (17kD, B17) (NDUFB6), mRNA /cds=(68,454)	1	CTGGAGACTGGAGAAGTAATCCACC AATGAAAGAAATTTCTGATCAACA
7650	db mining	Hs.142307	AL137273	6807710	mRNA; cDNA DKFZp434I0714 (from clone DKFZp434I0714) /cds=(0,412)	1	TCAGTGTTCGTTATTCCATATCAGTG GCTTTTACTGTCAAAGATTGTGT
7651	db mining	Hs.16297	NM_005694	5031644	COX17 (yeast) homolog, cytochrome c oxidase assembly protein (COX17), mRNA /cds=(86,277)	1	TGCATGAGAGCCCTAGGATTTAAAT ATGAAATGGTGGTCTGCTGTGTGA
7652	db mining	Hs.11184	NM_017811	8923387	hypothetical protein FLJ20419 (FLJ20419), mRNA /cds=(191,907)	1	TGTGCTAAGCCTGATGAAATGTGCTC CTTCAATCTCCATGAAACCATCGT
7653	db mining	Hs.12013	NM_002940	4506558	ATP-binding cassette, sub-family E (OABP), member 1 (ABCE1), mRNA /cds=(117,1916)	1	AAATGATCTCCCTTTATTACCCCTCCA AAGGTTACCAGCGTTTGAATTTA
7654	db mining	Hs.155485	NM_005339	12545382	huntingtin interacting protein 2 (HIP2), mRNA /cds=(77,679)	1	ACACACTAATGTAACCATTTTATGAAG GTTGAAGTGGATTTATGCAGGCA
7655	db mining	Hs.154573	AW955094	8144777	EST367164 cDNA	1	ATCAGGAGAATGTCAAAGAAGTCCTT TATGTGGATTGCCCGAGCTTCTCT ATTGTGCCACTGTTTTCCAGCTGGG
7656	db mining	Hs.142157	AF080255	5733121	Iodestar protein mRNA, complete cds /cds=(30,3518)	1	CAATACAGTGAGACCGCTGTCTCAA CGTCAAAGTCAATCCCAAAACAGATA AGCCCTATGAGGATGTGAGCATCA
7657	db mining	Hs.1191	AK025679	10438273	cDNA: FLJ22026 fis, clone HEP08537 /cds=UNKNOWN	1	ACGACTTGCTCAAGAGTAAAGATTAT ACTGCTCTGTACAGGAGCTTTCGCA TGTTGAGGAAAGGAAAGGGCATTTG
7658	db mining	Hs.13340	NM_003642	4504340	histone acetyltransferase 1 (HAT1), mRNA /cds=(36,1295)	1	TCTAAACATGGATTCTGAGTTGTA
7659	db mining	Hs.108110	NM_014034	7661591	DKFZP547E2110 protein (DKFZP547E2110), mRNA /cds=(192,806)	1	GTGGATGAGTAGGGAGTGGGCGAGA CAGGGACGAGATGAGCAGGGTCAAG
7660	db mining	Hs.123295	AA833793	2908561	oc61g07.s1 cDNA /clone=IMAGE:1372476	1	GGTGTTCTGTGTAGTGCCAAGATTGC TTCGTTGTAGAGAGAGTTTCGTTCC ACTAGAGTCCAGGTAATAGTAGTGGA
7661	db mining	Hs.126565	AB020668	4240210	mRNA for KIAA0861 protein, partial cds /cds=(0,2948)	1	GATATGTGGAGAGACATGATAGGT TTCCTGTGTGAGATTTCCTGCCATT CTCAATTCAACAAATATGCCTTTT
7662	db mining	Hs.155174	AB007892	2887434	KIAA0432 mRNA, complete cds /cds=(0,2251)	1	TATACTTTGATCCCTCAGCAAGTTGT CCTCACTGTTGTGTGAACCTGTTT
7663	db mining	Hs.116445	AA648776	2575205	ns24d11.s1 cDNA, 3' end /clone=IMAGE:1184565 /clone_end=3'	1	TTTCCTGAATACTTTATGACAACTGAG TTTGCCGGGTAGAGTGGCCGTTT
7664	db mining	Hs.124933	AA825303	2898605	oc67e04.s1 cDNA, 3' end /clone=IMAGE:1354782 /clone_end=3'	1	AAACTAGAATTCCGGTTTCCCAAGGT GGCTTATGACAACCAAGATCCTTT
7665	db mining	Hs.313267	AW295641	6702277	UI-H-BW0-aip-e-12-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729975 /clone_end=3'	1	GGCTTCCCGCCTGTGCAGTCATTTGT ATGTGTTTTATATATTGGAGTGT
7666	db mining	Hs.313203	AW293882	6700518	UI-H-BW0-ain-e-07-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729941 /clone_end=3'	1	ACAAAATATAAGGTGTGACTTTGGAT CCTGACTCAAACCAACAGCTGTT
7667	db mining	Hs.105488	AA521017	2261560	aa70f05.s1 cDNA, 3' end /clone=IMAGE:826305 /clone_end=3'	1	TCAAAATCCGTTACTCTTCCACAACA ATTGAGGGTAATGGTGTTCAGTT
7668	db mining	Hs.125802	AA806833	2876409	oc29b10.s1 cDNA, 3' end /clone=IMAGE:1351099 /clone_end=3'	1	GCCATTCGGCTTCTCTATTTGAAAA CAGTTACCATAATCCCCCTCAGTT
7669	db mining	Hs.313274	AW295745	6702381	UI-H-BW0-aiv-g-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730834 /clone_end=3'	1	ATTTGGTAGAGACGGGGTTTACCTT ATTGCCAGGCCATCATGTATCTT
7670	db mining	Hs.320376	BF512113	11597325	UI-H-BW1-ami-h-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070302 /clone_end=3'	1	TGTCATTTGCCCTTTCCCCATATAT GTAGAATTGGGTCTTTTCAACTT
7671	db mining	Hs.315341	BE675056	10035597	7f01f10.x1 cDNA, 3' end /clone=IMAGE:3293419 /clone_end=3'	1	ACAGGGAGAGACTACACACAAGCCA ACCTCAATCTCATCTTTATGCCATT
7672	db mining	Hs.320407	BF512394	11597660	UI-H-BW1-amc-f-01-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069456 /clone_end=3'	1	TCTTCTTTTGTAGTGAATTACTCTTG AAATGCCGAGAGAAGGGACAAAT
7673	db mining	Hs.313347	AW297156	6703802	UI-H-BW0-ajd-b-05-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731329 /clone_end=3'	1	AGATAGAGTCATATTCTATTTAGCTTG GGACATGGCAGGTACTCAGTTGT
7674	db mining	Hs.123298	AA809468	2878874	ob85a10.s1 cDNA, 3' end /clone=IMAGE:1338138 /clone_end=3'	1	AGCCTTTTTGGGAGTGAGGGTTTATA TGATGTCTGATTCTGTAATACTGT
7675	db mining	Hs.320416	BF512570	11597749	UI-H-BW1-amf-e-12-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069791 /clone_end=3'	1	GCAGCCCTGAGCCTGGAATAGATACT TTTTGGTCTTTTGGTTGTAGATGT
7676	db mining	Hs.309262	AI440532	4300887	CM4-NT0290-150101-684-e05 cDNA	1	
7677	db mining	Hs.313338	AW297010	6703646	UI-H-BW0-ajf-d-01-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731441 /clone_end=3'	1	

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7678	db mining	Hs.315325	BE646400	9970711	7e86c01.x1 cDNA, 3' end /clone=IMAGE:3292032 /clone_end=3'	1	CCCTCCCTATCTTTTTATGGGTAATTT GATTATACACGGTGCTTGAATGT
7679	db mining	Hs.313172	AW293016	6699652	UI-H-BW0-aih-f-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729239 /clone_end=3'	1	TATGTCTTCTTACCCAGCACCCCTA ATTTAAAAATACAGATCCCTGAGGT
7680	db mining	Hs.313361	AW297413	6704049	UI-H-BW0-ais-b-09-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730208 /clone_end=3'	1	AAAACCTTGACAGTTTCATTTACACAA GCACCTATCAGGTATTTGGCAGGT
7681	db mining	Hs.313365	AW297482	6704118	UI-H-BW0-aja-a-05-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730920 /clone_end=3'	1	AGTGCCCATGCTGTTTCAGATGCTCT TCTAGCTCCTGGAGATACATCAGT
7682	db mining	Hs.313358	AW297377	6704013	UI-H-BW0-air-f-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730381 /clone_end=3'	1	TGAGCTTCTGCTAGTAATTCCTTCAG GGGATTTCTCCATGGCCGTAAGT
7683	db mining	Hs.320474	BF513180	11598359	UI-H-BW1-amj-d-06-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070115 /clone_end=3'	1	GAGGGTGCTGCTAATGATTTCCGAA AAGTTCTTCAAAACACTCCGAAGT
7684	db mining	Hs.313382	AW297707	6704343	UI-H-BW0-ajh-f-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731915 /clone_end=3'	1	ACCAGTGTGATGAGTTTTGACAAGAG ACAAAAGGAAAGGGTGGGAGAAGT
7685	db mining	Hs.125779	AA810831	2880442	oa76d09.s1 cDNA, 3' end /clone=IMAGE:1318193 /clone_end=3'	1	GCTGGTTGTTGCCTTTCAAGACAGCC AACTACCATTATTCAACAGAAGT
7686	db mining	Hs.313389	AW297882	6704507	UI-H-BW0-aju-e-07-0-UI.s1 cDNA, 3' end /clone=IMAGE:2733036 /clone_end=3'	1	AGTCTGTCTATTCTCTTCTTTAGCT CTGTCTGTTGCTCAAATTCAGT
7687	db mining	Hs.313391	AW297905	6704541	UI-H-BW0-aju-h-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:2733188 /clone_end=3'	1	GCCAAGGTGAGTCAAAACACTGCTCT TCAGAAAGCAATTATTTGAAAGT
7688	db mining	Hs.309446	AI492055	4393058	tg12a01.x1 cDNA, 3' end /clone=IMAGE:2108520 /clone_end=3'	1	CATTGTCCTCCCGCTGTGCTCTCAG GCAATAAATGATTTGATTATTTCT
7689	db mining	Hs.313311	AW296433	6703069	UI-H-BW0-aig-a-05-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730128 /clone_end=3'	1	GGTCAGAAACAGGCCACAGAGACT CTGGAGGGTCTTCTCTTGTGTTCT
7690	db mining	Hs.319887	BF507608	11590906	UI-H-BW1-ana-e-05-0-UI.s2 cDNA, 3' end /clone=IMAGE:3071720 /clone_end=3'	1	TCAACTGCTTTGGCACTGCCATGGG TACCTGAGGATAAGAGAGATGTCT
7691	db mining	Hs.255237	AW293790	6700426	UI-H-BI2-ahp-e-06-0-UI.s1 cDNA, 3' end /clone=IMAGE:2727635 /clone_end=3'	1	GGGTTGACTAAATGCACATGGGCTTA TCTTTACCTCTTCCAGAAATGTCT
7692	db mining	Hs.313363	AW297459	6704095	UI-H-BW0-ais-g-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730436 /clone_end=3'	1	TGCATGACCAGAAACACTGCCTGATA CAGTAAGCAGAGGTAGCTGTCTCT
7693	db mining	Hs.320367	BF512169	11597272	UI-H-BW1-ami-c-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070074 /clone_end=3'	1	ACCTGCCAGCCAGCCACAACTATAA ACTGTGTGACACCCAAATTTATCT
7694	db mining	Hs.320440	BF512733	11597912	UI-H-BW1-amm-d-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070494 /clone_end=3'	1	GGTTTCTGAGGTGATTCTAATATGCA GTCATGGTTAAGAACCTGTGATCT
7695	db mining	Hs.313374	AW297607	6704243	UI-H-BW0-ajg-e-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731854 /clone_end=3'	1	AAGCCTTGGACCAGCTTCCCGTTTCT CTCTTGCTCCTGCCAAAAGATCT
7696	db mining	Hs.313355	AW297325	6703961	UI-H-BW0-air-a-08-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730135 /clone_end=3'	1	ACCCAAAGGATGGTGTCTCCTGTCCC AGTTGAAAGGTTTCTACCTAGCT
7697	db mining	Hs.320420	BF512599	11597778	UI-H-BW1-amf-h-07-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069925 /clone_end=3'	1	TGGTTGAATACGCAGGAACACCCACA GTACCCAGGGACTAATAAATAGCT
7698	db mining	Hs.118899	AA243283	1874128	zs13g11.s1 cDNA, 3' end /clone=IMAGE:685124 /clone_end=3'	1	TTAGGGCAGTGGAGAATCAGGGTGT ATCTAATAAATTCCTTCATGGAGCT
7699	db mining	Hs.105228	AA489212	2218814	aa57d11.s1 cDNA, 3' end /clone=IMAGE:825045 /clone_end=3'	1	GCAGATGTCTGCGTCATGGTTTATTA CTCCTGTGTTCTGTTCAAGGAGCT
7700	db mining	Hs.297505	BF514865	11600044	UI-H-BW1-anj-f-12-0-UI.s1 cDNA, 3' end /clone=IMAGE:3082534 /clone_end=3'	1	TGTCTGTATTTGGAGTCCAGTAGTAC ACTGAAATAATCCCGTAAAGCT
7701	db mining	Hs.320492	BF513340	11598519	UI-H-BW1-amk-b-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070050 /clone_end=3'	1	CTCCCTTCCCACCATACACACTCC CAGCTCATTTTGATTCTTTTCT
7702	db mining	Hs.304837	AW292802	6699438	UI-H-BW0-ajf-f-12-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729615 /clone_end=3'	1	GGTGAAATTGACTGGGTTCTCTCCC ACCTCTCTTCCGTAGCAATTCCT
7703	db mining	Hs.24656	BF507762	11591060	KIAA0907 protein (KIAA0907), mRNA /cds=(26,1720)	1	ACTAATTCCTGTCTGGCCCTGAAC ATGAAGATATAATGGACGATCCCT
7704	db mining	Hs.320460	BF512975	11598154	UI-H-BW1-amh-b-06-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069659 /clone_end=3'	1	TTAAAGGCTCAAACCTACCTCAGACA CTGCTTACCCATCCCCATCCCT
7705	db mining	Hs.313384	AW297745	6704381	UI-H-BW0-aiy-b-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730954 /clone_end=3'	1	CCCTTTGTGAGAAGAAGCAGGTTTCC TTTCTATGGATTGATGTGACCCT

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7706	db mining	Hs.105105	AA419402	2079198	zu99a12.s1 cDNA, 3' end /clone=IMAGE:746110 /clone_end=3'	1	TTCTACCCATCACACAGATTCTTCCA CTTAATAAAATCCATCACCTACCT
7707	db mining	Hs.123180	AA805419	2874169	oc13g03.s1 cDNA, 3' end /clone=IMAGE:1340788 /clone_end=3'	1	TCATTACTGTTGTGAAGGCTCTTCAA GAGAGAAAGATGAAGCTGAAACCT
7708	db mining	Hs.297396	BF515183	11600450	UI-H-BW1-anl-c-01-0-UI.s1 cDNA, 3' end /clone=IMAGE:3082728 /clone_end=3'	1	GCTGTCCGTGAAAGCACTCTCAAGTC AGGAACTGAAGTAAAGCTTTACT
7709	db mining	Hs.334992	AI084211	3422634	RST20881 cDNA	1	CTCCTGTAATCCCAGCACTGGAGCTT GCAGTGAGCCAAGATCATGCCACT
7710	db mining	Hs.313273	AW295743	6702379	UI-H-BW0-aiw-g-08-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730830 /clone_end=3'	1	TTGGTCACCACACCTGGGTGTCTGAA TGCTTGTCTCTCTAAAGGTAAC
7711	db mining	Hs.319891	BF507631	11590929	UI-H-BW1-ana-h-01-0-UI.s2 cDNA, 3' end /clone=IMAGE:3071856 /clone_end=3'	1	GCAACAATTCTTTGAAAGTGACTCT CTAGGGTGC GGAGAATGGTGTGAT
7712	db mining	Hs.320422	BF512614	11597793	UI-H-BW1-amg-a-12-0-UI.s1 cDNA, 3' end /clone=IMAGE:3089622 /clone_end=3'	1	TCATCTCTGTAGTCTTCTAATCCTA TGCGGAGCCAATATAGACGGAT
7713	db mining	Hs.319872	BF507414	11590721	UI-H-BW1-amz-a-11-0-UI.s2 cDNA, 3' end /clone=IMAGE:3071517 /clone_end=3'	1	CTTTGTATTTCAAAGAAAGTAGCCCC TTGGCTCTGATATTAGTTGCAGAT
7714	db mining	Hs.264120	AI523641	4437776	601436078F1 cDNA, 5' end /clone=IMAGE:3921187 /clone_end=5'	1	TTTAGGAGCTGACCATACATGATGAG TGATACAGCCTGTACTTTGCTCAT
7715	db mining	Hs.105284	AA491263	2220436	aa49d04.s1 cDNA, 3' end /clone=IMAGE:824263 /clone_end=3'	1	ACTGGGATGAGATGAGATTC AAGGCA CTTTTGGAGGGTGTAGCTAGCCAT
7716	db mining	Hs.124376	AA831043	2904142	oc58h02.s1 cDNA, 3' end /clone=IMAGE:1353939 /clone_end=3'	1	AGGCTGTGCTGCACGGGCTTTTCAA AAGCGACTCATTATGAAGAAGAAT
7717	db mining	Hs.309144	AI384035	4196816	td05c02.x1 cDNA, 3' end /clone=IMAGE:2074754 /clone_end=3'	1	GCACTCCAGCCTGGGCAACAAGAGC GAAACTCTGCCTCCAATAAATAAAT
7718	db mining	Hs.301325	BF514004	11599183	UI-H-BW1-amv-e-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:3071311 /clone_end=3'	1	CGGGCGGTGGCGGCTGCCTGGGAG AAGATGAATCTTTCATGAGTGATTG
7719	db mining	Hs.319904	BF507742	11591040	UI-H-BW1-anc-f-02-0-UI.s2 cDNA, 3' end /clone=IMAGE:3072122 /clone_end=3'	1	GATGGAACCTCAAGGTGCTTTACGCTT TCCTCAGCTTACCAGGAGGCTTG
7720	db mining	Hs.320092	AI392740	4222287	tg23f02.x1 cDNA, 3' end /clone=IMAGE:2109627 /clone_end=3'	1	ACCAACCCCTATGGACAACCTGATCTT GAACCTCTAGCTTTCAGACCTGTG
7721	db mining	Hs.313371	AW297578	6704214	UI-H-BW0-ajg-b-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731708 /clone_end=3'	1	AATGTAGCTGACATTGGAGCCACCGC CCATAGAAGAAGGCTAAACTGTG
7722	db mining	Hs.320444	BF512784	11597963	UI-H-BW1-amm-h-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070698 /clone_end=3'	1	CTTCACTGACGATCTGAGACACTAGG CAGGTTGAAAGGGTGGAGTGGTG
7723	db mining	Hs.320473	BF513155	11598334	UI-H-BW1-amj-b-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070013 /clone_end=3'	1	GCCCCGTGGTGGTTGGAAAGTGTCT GAATCCAATAAAGGAAAGCGGTG
7724	db mining	Hs.320419	BF512597	11597776	UI-H-BW1-amf-h-05-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069921 /clone_end=3'	1	CAACAGTGGCAAGAGTAGCCAGCCC ATAGGACGGAATGAAATCAAGGTG
7725	db mining	Hs.320365	BF512157	11597260	UI-H-BW1-ami-b-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070026 /clone_end=3'	1	CATCCTTAGATGCCAGTCTTCACTTT GGGTATTTTCTGCCTCCTCAGTG
7726	db mining	Hs.299471	BF513893	11599072	UI-H-BW1-amq-d-02-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070874 /clone_end=3'	1	ACCAACAGTACCGTTATTGCCACCAC AAGTAAACCAATCCCTCACTTCTG
7727	db mining	Hs.313368	AW297544	6704180	UI-H-BW0-aja-g-01-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731200 /clone_end=3'	1	AGGCTAAATCAGAGCTTTCCTCCCCA GATAAAGGAAATTTCCCTCCCTG
7728	db mining	Hs.105170	AA481410	2210962	zv02g12.s1 cDNA, 3' end /clone=IMAGE:746374 /clone_end=3'	1	AACTTCCAGAGGCAGGAGATTAGACA GGGATGACAGTTAAGGGGTACTG
7729	db mining	Hs.313251	AW295130	6701766	UI-H-BW0-ait-h-08-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730495 /clone_end=3'	1	ACCTCTTCGTTGTATTTTACCTTTCAC TTACAAACAAGCTCATGCCACTG
7730	db mining	Hs.297392	BF514201	11599380	UI-H-BW1-ani-d-05-0-UI.s1 cDNA, 3' end /clone=IMAGE:3082401 /clone_end=3'	1	GATCAAAACAAGGTCTTGTACTTTTT GCAGGGGCAGCCTGGCAATCAATG
7731	db mining	Hs.122417	AA761212	2810142	nz20c03.s1 cDNA, 3' end /clone=IMAGE:1288324 /clone_end=3'	1	CCTAAATGTTGTCCCTCAGAGATGCA CAGATGTATATGGGTAAGGAAATG
7732	db mining	Hs.297469	BF512785	11597964	UI-H-BW1-amm-h-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070700 /clone_end=3'	1	CCAACCATAGTCATGAAGCTGCTTCT GTTCCAATGCAATCCCATTGTGG
7733	db mining	Hs.313275	AW295750	6702386	UI-H-BW0-aiw-h-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730868 /clone_end=3'	1	GCTTTTCAATGCTTCCGAAACTGAGT GCTAACAGGGGCAATTAGTGCTGG

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7734	db mining	Hs.313173	AW293031	6699667	UI-H-BW0-aih-g-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729299 /clone_end=3'	1	AGTTCCTGTGAACAGTAAAACTTTCTT GCCAGCTCTCAGGTTATCACTGG
7735	db mining	Hs.320386	BF512295	11597474	UI-H-BW1-amb-e-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069389 /clone_end=3'	1	GTGTGTAATGAGTGTCAGATCTTTT CTGAAACAGGTTTGGATTGGGG
7736	db mining	Hs.320429	BF512664	11597843	UI-H-BW1-amb-f-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069844 /clone_end=3'	1	AGGGTCCACAAGGAGAATATTTTCTT AAAGTAACCTCCCTGATTGCGGGG
7737	db mining	Hs.123352	AA811133	2880744	oa98b10.s1 cDNA, 3' end /clone=IMAGE:1320283 /clone_end=3'	1	GCTCCCCATATGCCTGTGTAGCAGAAT CTAAAGATAATCATGTGAACGGG
7738	db mining	Hs.320389	BF512323	11597502	UI-H-BW1-amb-g-09-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069497 /clone_end=3'	1	TTGTCTTGTCTTTTATCTCCCTAT GTTTCATCTTAGTGACGGCAGGG
7739	db mining	Hs.120563	AA741116	2779708	nz04f08.s1 cDNA, 3' end /clone=IMAGE:1286823 /clone_end=3'	1	ACAGTTGCCTTTGAGATTCTCTGATTT CTGCATGAATAAATCCATAAGGG
7740	db mining	Hs.320373	BF512098	11597310	UI-H-BW1-ami-f-12-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070222 /clone_end=3'	1	GTCCTTGGAAGGTAACACTTGTGATT GGAACCACTCTTCAAGCTGAACGG
7741	db mining	Hs.320490	BF513327	11598506	UI-H-BW1-amk-a-07-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069996 /clone_end=3'	1	ATTCACTTCATTCAACAAGCACTT AAAACAATGCCTGTGTGCCAGG
7742	db mining	Hs.313290	AW296074	6702710	UI-H-BW0-aiu-h-07-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730852 /clone_end=3'	1	CACACCCAGCCCCATTACAAAGGAC TATAAATCTACACCCAGTCACG
7743	db mining	Hs.320390	BF512330	11597509	UI-H-BW1-amb-h-05-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069537 /clone_end=3'	1	GGCAGTAGTAGTGCTAAACAGAGGTG GAAGTAGTGAAGGGAGTTTGAACG
7744	db mining	Hs.297397	BF507606	11590904	UI-H-BW1-ana-e-02-0-UI.s2 cDNA, 3' end /clone=IMAGE:3071714 /clone_end=3'	1	CTAGTCCTGCCCCACCTCCCAAGT ATTACCCCTCCTAAGTCTGCTAG
7745	db mining	Hs.309256	AI373161	4153027	qz13a01.x1 cDNA, 3' end /clone=IMAGE:2021352 /clone_end=3'	1	AGATAAGCAGGATAAACAAGACAGGT TGGATTGTGATCAGCTCTATGGAG
7746	db mining	Hs.343303	BF513322	11598501	UI-H-BW1-amk-a-02-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069986 /clone_end=3'	1	GATGGCTAGGACAAGATGATTTACAA GAGCGTGGCGGGAGGGACGGCGAG
7747	db mining	Hs.301870	BF507614	11590912	UI-H-BW1-ana-f-03-0-UI.s2 cDNA, 3' end /clone=IMAGE:3071764 /clone_end=3'	1	CCGTGTCTGGATTGTGTGCTTACTT CTAAAGGTGCACATACTTCATAAG
7748	db mining	Hs.300479	AW452510	6993286	UI-H-BW1-ame-a-12-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069598 /clone_end=3'	1	GTATCTCTGCACCTCACTACTACCCT TCACTCCTGGAGACCTGGGCAAG
7749	db mining	Hs.320387	BF512301	11597480	UI-H-BW1-amb-e-09-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069401 /clone_end=3'	1	AACACACCACCAACATTCTTCCCAT CCTTCTTCAACCAACAGCTACAAG
7750	db mining	Hs.122854	AA292626	1940611	zs57h08.r1 cDNA, 5' end /clone=IMAGE:701631 /clone_end=5'	1	ACAATTGGAGTTGGGGCTGTCAACAC CTGAAGTGTGTAACCACAGAAAG
7751	db mining	Hs.300488	AW453029	6993805	UI-H-BW1-ama-c-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069306 /clone_end=3'	1	TTAGGGGAAAAGTCTAGTGGCGGC AGCTTCTTGCTAGACCCTGGTTC
7752	db mining	Hs.335081	AI380942	4190807	tg18c08.x1 cDNA, 3' end /clone=IMAGE:2109134 /clone_end=3'	1	AGTGATGCTTGCTTTTCGCTTTCCT AAAGATGTCATTGAAAACAAGTC
7753	db mining	Hs.313822	AW452916	6993692	UI-H-BW1-amd-b-02-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069267 /clone_end=3'	1	CCCAGCTTCATTAATGTGAATGGTGG CAGACACCTCTAGCTATAGAGCTC
7754	db mining	Hs.309486	AI523959	4438094	tg98f09.x1 cDNA, 3' end /clone=IMAGE:2116841 /clone_end=3'	1	GAGCCAAGATTGGGCCACTGCACTC CAGCCTGGGTGACAGAGTGAGACTC
7755	db mining	Hs.303926	AI084223	3422646	oy72g05.x1 cDNA, 3' end /clone=IMAGE:1671416 /clone_end=3'	1	GAGCCGAGATTGCATCACTGCACTCC AGCCTGGTCAACAGAGCGAGACTC
7756	db mining	Hs.313170	AW292942	6699578	UI-H-BW0-aig-f-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729252 /clone_end=3'	1	TTCAGTCATGCAGCAACATCCGCTTA ATGCCTCCTAAGTGACAGAACTC
7757	db mining	Hs.313795	AW452553	6993329	UI-H-BW1-ame-e-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069788 /clone_end=3'	1	GGTCTCTTCTCTACTCTCCCTAG TAACTAACCAACAAAGCCTAAATC
7758	db mining	Hs.319883	BF507567	11590865	UI-H-BW1-amr-h-08-0-UI.s1 cDNA, 3' end /clone=IMAGE:3071079 /clone_end=3'	1	TTGTTTGTGTTTATTTATTTATTTG AGGCAGCGCTTGCTCTGTTGC
7759	db mining	Hs.320476	BF513187	11598366	UI-H-BW1-amj-e-02-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070155 /clone_end=3'	1	TGCCATCTTTACATCTAATCAAGAGG TAGAGCTTCCCCTGGTGTCTCTGC
7760	db mining	Hs.313828	AW453000	6993776	UI-H-BW1-ama-a-05-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069200 /clone_end=3'	1	TGCTCTGCTTCTCCCAATCAAGGAA TGATAGATCTTGCTAACAGAAGTGC

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7761	db mining	Hs.120251	AA731386	2753542	nz86f07.s1 cDNA, 3' end /clone=IMAGE:1302373 /clone_end=3'	1	TGGCACCAACTTACACTTCCAGAAGA GAGTGGTTTCAGGAAATTACTATGC
7762	db mining	Hs.313392	AW297908	6704544	UI-H-BW0-ajn-a-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:2732071 /clone_end=3'	1	AACCTTTGGGAAGTGAGACTCTGTCTT GGGTTTTTGATAATAAATGTGGGC
7763	db mining	Hs.343320	BF512697	11597876	UI-H-BW1-amm-a-02-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070346 /clone_end=3'	1	CCGAGAAAGTACGGCTGGAGCGGAC TGGGGAGACGGAAATATTGAGTCGC
7764	db mining	Hs.304176	AI540182	4457555	td10f04.x1 cDNA, 3' end /clone=IMAGE:2075263 /clone_end=3'	1	CGAAGAAAGAATTGGATGCAGAATTG TTGCCTAACCTGGGTGACAAGAGC
7765	db mining	Hs.320425	BF512629	11597808	UI-H-BW1-amg-c-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069700 /clone_end=3'	1	AGTGCCTGTGATTCCACCCCTTACC TCCCACTCAAGTGACAATGTAAGC
7766	db mining	Hs.313236	AW294711	6701347	UI-H-BW0-aim-b-12-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729806 /clone_end=3'	1	AGAAAGTTAGGAGTCGGCAACCTTAA GGAGGAGTTTCTTATCATCTCTCC
7767	db mining	Hs.313379	AW297666	6704302	UI-H-BW0-ajh-c-02-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731755 /clone_end=3'	1	TGTCACAAAGATGAAGCAAGGTGGCT CAGGGAACGTGCTCAGAAACCTCC
7768	db mining	Hs.123341	AA810927	2880538	oa77d07.s1 cDNA, 3' end /clone=IMAGE:1318285 /clone_end=3'	1	GCAAAGTGAAAGTTTTCCCTTTGGCC CTAAATATGAAAGCAAAGCATCC
7769	db mining	Hs.313208	AW293991	6700627	UI-H-BW0-aik-h-08-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729726 /clone_end=3'	1	CCCTGTCCATCTTTTCTGTTCCTATC CAGCCTTCCCTCTCCTTTTGGC
7770	db mining	Hs.123344	AA811024	2880635	oa82g05.s1 cDNA, 3' end /clone=IMAGE:1318808 /clone_end=3'	1	CCACGGAGGGCTCCCCATCTAAAGG GAGTTTAATAACAAAGGAATGGCC
7771	db mining	Hs.320450	BF512839	11598018	UI-H-BW1-amu-e-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:3071322 /clone_end=3'	1	CAATTGGTACATTCTCGGCAAAACCT TGCCCACAATTTCTCAGGAAGCC
7772	db mining	Hs.313369	AW297549	6704185	UI-H-BW0-aja-g-08-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731214 /clone_end=3'	1	AGGGTGTCCCTGTGATTTTAAATTC ACTATCTAGCTGTCCCTATCCCCC
7773	db mining	Hs.297527	BF515924	11601103	UI-H-BW1-aoa-e-01-0-UI.s1 cDNA, 3' end /clone=IMAGE:3084001 /clone_end=3'	1	CTTATATTATGTTTTCTCTGTGACAAG CACCTCACCTCCAACCCACCCC
7774	db mining	Hs.297513	BF515498	11600677	UI-H-BW1-ann-g-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:3082950 /clone_end=3'	1	GAGAATTCAAATTAATGCAGAGTCC TAGGCCACCCCTGGCATACCACCC
7775	db mining	Hs.105218	AA488881	2218483	aa55f06.s1 cDNA, 3' end /clone=IMAGE:824867 /clone_end=3'	1	ACAACCAATGCCTCACACTTAAGCTC CTAGAAGTCACTAGGGACCAGACC
7776	db mining	Hs.309447	AI492062	4393065	tg12a11.x1 cDNA, 3' end /clone=IMAGE:2108540 /clone_end=3'	1	GCCCTCACAGAAATTCATCATGCTG GCACCTTATCTTGGACTTTCAACC
7777	db mining	Hs.309483	AI523758	4437893	tg94e10.x1 cDNA, 3' end /clone=IMAGE:2116458 /clone_end=3'	1	AGGGTAAGAGTTCAGACCTGACTG GACAATAAGTGAGACTGTCTCTAC
7778	db mining	Hs.343333	BF515310	11600412	UI-H-BW1-ank-g-09-0-UI.s1 cDNA, 3' end /clone=IMAGE:3082577 /clone_end=3'	1	CTCCGTCTGCCGCCCTCCGTAGCCAC AGCGACTTTGGAAGTGATATTGAC
7779	db mining	Hs.309687	AI401187	4244274	tg26h10.x1 cDNA, 3' end /clone=IMAGE:2109955 /clone_end=3'	1	CCCTGGAGAAGGAGGGTGATTTATTT TCAACTTTCTGATTTACCACCGAC
7780	db mining	Hs.314730	AI523958	4438093	tg98f08.x1 cDNA, 3' end /clone=IMAGE:2116839 /clone_end=3'	1	GATTGTTTGAGCCTGGGAGTTCACA CCAGCCTGGGCTACATAGGGAGAC
7781	db mining	Hs.313337	AW297006	6703642	UI-H-BW0-ajf-c-09-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731409 /clone_end=3'	1	CTGCTCTAGACTGAGCACAGCCACTG ACAGGTGACCTTCAGAATCCTCAC
7782	db mining	Hs.116455	AA649141	2575570	ns32g12.s1 cDNA, 3' end /clone=IMAGE:1185382 /clone_end=3'	1	ACCCCTGCTTTACTGTGACAGACATA TAGTTTGTACATATAAAACCCAC
7783	db mining	Hs.123313	AA810089	2879495	od12f12.s1 cDNA, 3' end /clone=IMAGE:1367759 /clone_end=3'	1	ACCTAACAGAAATTTGGATTGCGGTT GTCTAAATACACCCTGGTGGGTTA
7784	db mining	Hs.319868	BF507353	11590660	UI-H-BW1-amx-c-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:3071239 /clone_end=3'	1	GCCTTTCCCAACACAGTTTATGTGA TTCCCTGCCCTACCTTACCATT
7785	db mining	Hs.123342	AA811005	2880616	oa73g11.s1 cDNA, 3' end /clone=IMAGE:1317956 /clone_end=3'	1	TCCCATTGCATGTCCCGTATATTGAA AGCTGCCTCTACTTCTCTGCTA
7786	db mining	Hs.313288	AW296061	6702697	UI-H-BW0-aiu-g-06-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730802 /clone_end=3'	1	GGCAGGGGATGAACCAGATAATTTCC AGCCCTTCTTGGTAGCTCTTCGTA
7787	db mining	Hs.308998	AI356553	4108174	qz27h12.x1 cDNA, 3' end /clone=IMAGE:2028167 /clone_end=3'	1	GCTTAGGAGTTTGGACCAGCCTGG GTAACATAGTGAAACCTGTCTCTA

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7788	db mining	Hs.313328	AW296796	6703432	UI-H-BW0-ajb-e-06-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731115 /clone_end=3'	1	TTGCAGCTATTTTCAAGTTGTAAGAAA TGAACCTGCAACACATAGGGCTA
7789	db mining	Hs.320462	BF512986	11598165	UI-H-BW1-amh-c-06-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069707 /clone_end=3'	1	TCTCTTGCCACAGGGATTTCTCCAA GCTGGAATCACCATTTCCTCTCTA
7790	db mining	Hs.297514	BF516300	11601479	UI-H-BW1-anz-e-06-0-UI.s1 cDNA, 3' end /clone=IMAGE:3084010 /clone_end=3'	1	CCCACCCACCAGTAGGTTGTGATTCA ACTGAACCATTTCAGGAGCACCTA
7791	db mining	Hs.124358	AA830650	2903749	oc52g02.s1 cDNA, 3' end /clone=IMAGE:1353362 /clone_end=3'	1	GAACCCAGCTAAGCCACACCCAGATT CTGACCCAGGGATACTCTGAAATA
7792	db mining	Hs.313345	AW297163	6703789	UI-H-BW0-ajd-a-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731279 /clone_end=3'	1	GTGTGTGCTGGCGTGCCTTATAGGT GTGCGTGTTCCTGTCAGTTTGA
7793	db mining	Hs.320484	BF513246	11598425	UI-H-BW1-amo-b-06-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070426 /clone_end=3'	1	AGGAAAACCTCAGAAATAATTTCTGCC CCCTGGATTCTCTAAGATTGTGA
7794	db mining	Hs.105130	AA482030	2209708	zu98g04.s1 cDNA, 3' end /clone=IMAGE:746070 /clone_end=3'	1	GTGGAAAGAATCCTACAACGAACACT ATTAAAGTCTGCACCTAGATCTGA
7795	db mining	Hs.104176	AA214530	1813155	zr92a06.s1 cDNA, 3' end /clone=IMAGE:683122 /clone_end=3'	1	GGCCTAGGTTCCAGCATTGAGTCATC AAGTCTTGTTACAGAAATAAATGA
7796	db mining	Hs.121118	AA721101	2737236	nz67a01.s1 cDNA, 3' end /clone=IMAGE:1300488 /clone_end=3'	1	CCCCATTGGAGTCTAGTCAAAACAG CAGCTTCTTTGAGTTACCATTGGA
7797	db mining	Hs.313313	AW296455	6703091	UI-H-BW0-aig-c-05-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730224 /clone_end=3'	1	AAGGCTTGTAAGTGTAGGCCCTTGTA CTACACTGTGCTATACCTGGTAGA
7798	db mining	Hs.335116	AI524072	4438207	th01d07.x1 cDNA, 3' end /clone=IMAGE:2117005 /clone_end=3'	1	CACTTTGGGAGGCAGAGGTGAGCAG ATCACTTGAGGCCAGGAGTTTGAGA
7799	db mining	Hs.309130	AI382229	4195010	td04d04.x1 cDNA, 3' end /clone=IMAGE:2074663 /clone_end=3'	1	GGATCACTTGAGCCAGCAGTTTGAG ACCAGCCTGGGCAATAAAATGAGA
7800	db mining	Hs.297504	BF514819	11599998	UI-H-BW1-anj-b-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:3082338 /clone_end=3'	1	TCAGTTGTGATGGGATTCTTGATGG ATGAGATGTGTGCTGTGACAGAGA
7801	db mining	Hs.297473	BF513074	11598253	UI-H-BW1-amn-c-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070445 /clone_end=3'	1	CCTCCTAGAACTGGAACCAAGACTGC TCCATCAGAGTTAAAGGTGTAAGA
7802	db mining	Hs.313168	AW292924	6699560	UI-H-BW0-aig-d-05-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729144 /clone_end=3'	1	GCTCACCCCTGCACCTCCTTCCCAAA TCTGCTGTACATTTTCTCAAAGA
7803	db mining	Hs.319885	BF507583	11590881	UI-H-BW1-ana-b-03-0-UI.s2 cDNA, 3' end /clone=IMAGE:3071572 /clone_end=3'	1	TTCTGTCTCCATGTTGTGGTCAAGA TTGCCATTTGCTTCTGAGTTTCA
7804	db mining	Hs.320411	BF512514	11597693	UI-H-BW1-amc-h-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069570 /clone_end=3'	1	CTGGTTCTAGTGCAGTCTCCTCACTT TCCTGGTGTTTGGTTTATCTTTCA
7805	db mining	Hs.116501	AA651832	2583484	ns40b05.s1 cDNA, 3' end /clone=IMAGE:1186065 /clone_end=3'	1	TGACATGATTACCTGACTGATGTTTC TCCTCCATTAGACTGAATGCTTCA
7806	db mining	Hs.320438	BF512719	11597898	UI-H-BW1-amm-c-01-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070440 /clone_end=3'	1	TGGCAAAAAGCCTAACACTGACTCAT CCCATTCTATCAGCACAACCTTCA
7807	db mining	Hs.319888	BF507612	11590910	UI-H-BW1-ana-e-12-0-UI.s2 cDNA, 3' end /clone=IMAGE:3071734 /clone_end=3'	1	GTTTACAAGGGATACTAGTTCTCTGGA GGGACGAGGAGGCTCTGTTTGCA
7808	db mining	Hs.250726	AW298545	6705181	UI-H-BW0-ajm-g-01-0-UI.s1 cDNA, 3' end /clone=IMAGE:2732352 /clone_end=3'	1	TCCTCAACTCGGAGATTCTGTATGG AGAGAATCAATTTCTATATTTGCA
7809	db mining	Hs.120738	AA749236	2789194	nx99c09.s1 cDNA, 3' end /clone=IMAGE:1270384 /clone_end=3'	1	ACATTTCTTAGGTGTGTAGTGGTGAA GGAAAATAGTGGAAGATGTCTGCA
7810	db mining	Hs.320404	BF512350	11597616	UI-H-BW1-amc-b-01-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069264 /clone_end=3'	1	TCAGGAGGCTTGAAAAGACTCAAGGT TTCTACACTATGGGAAATAAGGCA
7811	db mining	Hs.319880	BF507510	11590808	UI-H-BW1-amr-c-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070831 /clone_end=3'	1	GTTTTCACTTGATACTAACTATTGT TTTTCTCCCCCATGCCAAGAGCA
7812	db mining	Hs.320371	BF512091	11597303	UI-H-BW1-ami-f-05-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070208 /clone_end=3'	1	AGCCAAGGGAGCATATTATTCTCTTA TTTTAAACCTCTCCGTAGGCAGCA
7813	db mining	Hs.307837	AI052783	3308774	oy78h09.x1 cDNA, 3' end /clone=IMAGE:1672001 /clone_end=3'	1	AGAAGGACCCTGGTTGAGAACCAC GGTTGTATAGAAAGGAATTGAAGCA
7814	db mining	Hs.124383	AA831706	2904805	oc85b04.s1 cDNA, 3' end /clone=IMAGE:1356463 /clone_end=3'	1	TTGACTGCCATAGCCAAGAGTTAATA TAGTTGCGTTTTCTTAAGGAAGCA
7815	db mining	Hs.123304	AA809672	2879078	nz99b08.s1 cDNA, 3' end /clone=IMAGE:1303575 /clone_end=3'	1	CTTACTGTGCTTTTAGGTTTGTGCT TTCTGTCTGTATGCTATGTTCCA

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7816	db mining	Hs.123368	AA811539	2881150	ob45d08.s1 cDNA, 3' end /clone=IMAGE:1334319 /clone_end=3'	1	TGCAGTTAGGAGTGTGGACACTCTGC CCATCTCCATTGAATTAATTC
7817	db mining	Hs.313176	AW293164	6699800	UI-H-BW0-aii-c-01-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729448 /clone_end=3'	1	ACTTGGGTTCATCCCCACGATAACT TGTTATGTATATGCCAATATCCCA
7818	db mining	Hs.313171	AW292976	6699612	UI-H-BW0-aii-b-08-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729055 /clone_end=3'	1	AGCTAGAAAAATGCCCTTTTCTCTT TGGAGGTCCTTAACCAAGGCCCA
7819	db mining	Hs.343308	BF508886	11592184	UI-H-BI4-aos-a-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:3085732 /clone_end=3'	1	ATCACC AATCTTATTTAGCACTGTGG ATGCCGTTTTGCAAAATGCACCCA
7820	db mining	Hs.320468	BF513104	11598283	UI-H-BW1-amn-e-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070555 /clone_end=3'	1	TGACTTAAGGTTGGAATATCTCCTAC TACTCCCCTGCTCCTCTGGACCA
7821	db mining	Hs.120585	AA743221	2782727	ny21c06.s1 cDNA, 3' end /clone=IMAGE:1272394 /clone_end=3'	1	TGTGGTTTGAATGGTTTACTGATGA GACAGCAAAATGAGACAGGACCA
7822	db mining	Hs.297468	BF513126	11598305	UI-H-BW1-amn-g-09-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070649 /clone_end=3'	1	TGGCGAGCCAGTCTCTGGATGGGAT TCTGATCAACAGAAGTTCTCATACA
7823	db mining	Hs.313205	AW293932	6700568	UI-H-BW0-aii-b-02-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729426 /clone_end=3'	1	TGCCCCATCCTTGCTGTTTTTCTCTT CAGTCATGGCCTATTTGGAGACA
7824	db mining	Hs.343329	BF515646	11600825	UI-H-BW1-anu-d-06-0-UI.s1 cDNA, 3' end /clone=IMAGE:3083555 /clone_end=3'	1	CTCAACCTTGGCCCTAACTAACAGT GACAGGAGTTCCTCCAGCCTCACA
7825	db mining	Hs.319906	BF507755	11591053	UI-H-BW1-anc-g-07-0-UI.s2 cDNA, 3' end /clone=IMAGE:3072180 /clone_end=3'	1	TCCTGACCGTTGACAGAGAGCTTTTA CAGAAGTCTTAGGCAGTACACACA
7826	db mining	Hs.320465	BF513053	11598232	UI-H-BW1-amn-a-06-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070355 /clone_end=3'	1	AGTGTGTGGCACCAGGATCACTG TATGAGAATTTCTGAACAACAACA
7827	db mining	Hs.320430	BF512667	11597846	UI-H-BW1-amg-f-06-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069850 /clone_end=3'	1	GCTGTAAGTCCCTTCTTACTCATCT TCCCTCTCAAATACAACAACAACA
7828	db mining	Hs.120718	AA748539	2788497	ny05h12.s1 cDNA, 3' end /clone=IMAGE:1270919 /clone_end=3'	1	GCCAGTTGGCACCATTATGAAACAC ACCACCTTGTAACCACTGAATTA
7829	db mining	Hs.320472	BF513154	11598333	UI-H-BW1-amj-b-02-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070011 /clone_end=3'	1	TCAACCTAGCACAGTGCCTGGCTGAT AGGTGTTGAATATTTCCACTCTAA
7830	db mining	Hs.319899	BF507695	11590993	UI-H-BW1-anb-h-05-0-UI.s2 cDNA, 3' end /clone=IMAGE:3071865 /clone_end=3'	1	GCAACCTCTGCCCTGCAAAGAGAT ATTGTGACAAAGATATTCAGTAA
7831	db mining	Hs.124932	AA825273	2898575	oc67a02.s1 cDNA, 3' end /clone=IMAGE:1354730 /clone_end=3'	1	TAACATTCCTGGCACAGTCCCTGGCA TAGGGTAGATAATAAATGGTGGAA
7832	db mining	Hs.313354	AW297308	6703944	UI-H-BW0-aii-h-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:2732020 /clone_end=3'	1	TCTCTAACCATCAAGGAAGTCAAGG GCCATGTATCTCTTTAGGGAGAA
7833	db mining	Hs.127178	AA938725	3096753	oc10g07.s1 cDNA, 3' end /clone=IMAGE:1340508 /clone_end=3'	1	TTCCACAAACTCAGGTGTGCAAGAAA CAATGCATTACTTTATTTTCAGAA
7834	db mining	Hs.320445	BF512786	11597965	UI-H-BW1-amn-h-12-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070702 /clone_end=3'	1	CAGGAGTTTGAGACCAGCCTGGGCA ACATAGTAAGTCTCCATCTCTCAA
7835	db mining	Hs.319902	BF507708	11591006	UI-H-BW1-anc-b-02-0-UI.s2 cDNA, 3' end /clone=IMAGE:3071930 /clone_end=3'	1	TCCCTAGTCTGGAGACTCGGGAAC AAAACAATCAATTCCTGAGCAA
7836	db mining	Hs.104348	AA251338	1886301	zs08a06.s1 cDNA, 3' end /clone=IMAGE:684562 /clone_end=3'	1	TCCTCTTCATTGGAGACCCCTCCCTG TCACAGCACAAATGTGGGTAATAAA
7837	db mining	Hs.320442	BF512761	11597940	UI-H-BW1-amn-f-08-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070598 /clone_end=3'	1	CAGAACAAGGCCACAGTGTGAAAG GTGCTGCTGAACAAAGATAAATAAA
7838	db mining	Hs.320470	BF513152	11598331	UI-H-BW1-amj-a-12-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069983 /clone_end=3'	1	GAGTCAGCAACTGGTCTCTTGCC TTGGTTGATGCTTTTGAAGTGA
7839	db mining	Hs.300359	BF516423	11601602	UI-H-BW1-aob-h-05-0-UI.s1 cDNA, 3' end /clone=IMAGE:3084512 /clone_end=3'	1	TAAGGATGTATCCCTATGGGCAGGAA ACCCAATTCTAAGAACTTACAAA
7840	db mining	Hs.309152	AI392970	4222517	tg22d05.x1 cDNA, 3' end /clone=IMAGE:2109513 /clone_end=3'	1	GCCACTGCACTCCAGCCTGGGCAAC AGAGCGAGACCTTGACTCTTTAAAA
7841	db mining	Hs.122448	AA761767	2810697	nz31e08.s1 cDNA, 3' end /clone=IMAGE:1289414 /clone_end=3'	1	CACAACACCCAAAGGCTGCATTGCA TAACATGTATTTGTTGAATGAAA
7842	db mining	Hs.319874	BF507452	11590750	UI-H-BW1-amz-e-06-0-UI.s2 cDNA, 3' end /clone=IMAGE:3071699 /clone_end=3'	1	GGGGTCTTGCTCACAGAGCTCCCA AGATGGTGGTGGCCACTTCCAAA
7843	db mining	Hs.104177	AA214542	1813167	zr92b09.s1 cDNA, 3' end /clone=IMAGE:683129 /clone_end=3'	1	TCCCTCTATAGGTAAGACCTGTTT GTCTGAAATGTGGAACCTGTCT

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7844	db mining	Hs.104182	AA521405	2261948	aa68c06.s1 cDNA, 3' end /clone=IMAGE:826090 /clone_end=3'	1	GCTGCCGTGTCTTTTGGCATTTCAG CATGACTATATGTTTTTGTAAATGT
7845	db mining	Hs.255522	AW296182	6702818	UI-H-BI2-aia-c-01-0-UI.s1 cDNA, 3' end /clone=IMAGE:2728680 /clone_end=3'	1	CCGAAGGCCCGTGTGGCGCTTCTCC TATTCTGTAGAGTGGTAGTTTGT
7846	db mining	Hs.124926	AA765668	2816906	oa04f02.s1 cDNA, 3' end /clone=IMAGE:1303995 /clone_end=3'	1	AAAGAGGTAACGCAAGTCTCTCTT GTAGGTGGGCTACAGGTGACTTT
7847	db mining	Hs.320388	BF512314	11597493	UI-H-BW1-amb-f-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069453 /clone_end=3'	1	TGGTTCTCAGCCTGGGTGAACAGAG AAGGGTCTAAATTTGGTCTTTTGT
7848	db mining	Hs.123161	AA807319	2876895	oc38b01.s1 cDNA, 3' end /clone=IMAGE:1351945 /clone_end=3'	1	TGTTCTTGGCACCTGCACTGTCAGG CTATATCATTTCTGTTTGTCTT
7849	db mining	Hs.120608	AA743877	2783228	ny25b04.s1 cDNA, 3' end /clone=IMAGE:1272751 /clone_end=3'	1	TCTCATTTTCTTTTCTAGCTGTGATG CAAAGTGTCAAGTGGTCCCATCTT
7850	db mining	Hs.120554	AA741010	2779602	ny99a10.s1 cDNA, 3' end /clone=IMAGE:1286394 /clone_end=3'	1	TGTCCAACCTTCCTTTTGTACAAAC AAAGAATGCCTAGGGATTCAACTT
7851	db mining	Hs.330148	BE676227	10036768	xm80f05.x1 cDNA, 3' end /clone=IMAGE:2690529 /clone_end=3'	1	CAAGTGGCCTTGGTGTAAATCTTG CCCTAAATTGTAACACATGATT
7852	db mining	Hs.120259	AA731522	2753678	nw59h09.s1 cDNA, 3' end /clone=IMAGE:1250945 /clone_end=3'	1	ACCAACCAGTGTGTGTGGAGCTG TCTCATACTACTTGTAGAGTCCATT
7853	db mining	Hs.124333	AA829233	2902332	od05a10.s1 cDNA, 3' end /clone=IMAGE:1358298 /clone_end=3'	1	AGCACTTGCTTTGTTCAGACATTGT CCTTAGCTCCTTTCTTGTGTAATT
7854	db mining	Hs.124281	AA825840	2899152	od59d02.s1 cDNA, 3' end /clone=IMAGE:1372227 /clone_end=3'	1	TGCAGCAAAATTTGAATTTTCATAGGC CATTCAGTGTCTCTGCGATAATT
7855	db mining	Hs.120716	AA748500	2788458	ny01h10.s1 cDNA, 3' end /clone=IMAGE:1270531 /clone_end=3'	1	CCAGGAATGGAAATACGCCAACCCA GGTTAGGCACCTCTATTGCAGAATT
7856	db mining	Hs.320428	BF512663	11597842	UI-H-BW1-amb-f-02-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069842 /clone_end=3'	1	AGGAAATGGTTGAAGTCGTTTTTCT CTTGTAGTCTCATGTTAAGCTGT
7857	db mining	Hs.123593	AA814828	2884424	ob73d07.s1 cDNA, 3' end /clone=IMAGE:1337005 /clone_end=3'	1	TCGCCTGGGGAGAAATTTAAATCTAA GTCGCTGGAAGTCCCTTTGTATGT
7858	db mining	Hs.120214	AA730985	2752189	nw67a04.s1 cDNA, 3' end /clone=IMAGE:1251630 /clone_end=3'	1	ACCTGTAGGAAGGGTTTGTGAATATT CTGTTGCTCTGAATTATTAGCGGT
7859	db mining	Hs.123365	AA811469	2881080	ob83c11.s1 cDNA, 3' end /clone=IMAGE:1337972 /clone_end=3'	1	TGAGAGGATCTTGAGACATTCTGTG TTATTTGCCCTCTATGTTTATAGGT
7860	db mining	Hs.127156	AA938155	3096266	oc10a09.s1 cDNA, 3' end /clone=IMAGE:1340440 /clone_end=3'	1	TCCCAAGCATGAGACAAGTACCACCA GTGGTTCCAGGAGATGATTTTAGGT
7861	db mining	Hs.320486	BF513276	11598455	UI-H-BW1-amo-e-01-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070560 /clone_end=3'	1	ACAAGACAGCAGCCTTCCCGAAATGT CACTACTAAGAAATTATTCAGAGGT
7862	db mining	Hs.343330	BF514718	11599897	UI-H-BW1-ans-a-12-0-UI.s1 cDNA, 3' end /clone=IMAGE:3083063 /clone_end=3'	1	GCTGCCCAAACCTCCATTTATTTACC CTCCAAACATCACTTCCTTCCTCT
7863	db mining	Hs.123584	AA814349	2883945	nz06h06.s1 cDNA, 3' end /clone=IMAGE:1287035 /clone_end=3'	1	ACATTTGCCAATGCACTTGATGTAAA GTTGTTGAGGATGTTGACTCTCCT
7864	db mining	Hs.123376	AA811751	2881362	ob80e12.s1 cDNA, 3' end /clone=IMAGE:1337710 /clone_end=3'	1	TCCCCCTTCTTAACACCAATTTGGGA ACATCACTACTTGTATATTATCCT
7865	db mining	Hs.122860	AA766374	2817612	oa36b03.s1 cDNA, 3' end /clone=IMAGE:1307021 /clone_end=3'	1	TCAAGACCCCTTAGAGTAAGTTAACTC CCAAGGAAATGTAGTTAGTCCCT
7866	db mining	Hs.105268	AA490812	2219985	aa49e05.s1 cDNA, 3' end /clone=IMAGE:824288 /clone_end=3'	1	AACCCACAATCCAACCTCCCTTGATGA GGATGATCATTAAACAACATCACT
7867	db mining	Hs.297465	BF512677	11597856	UI-H-BW1-amb-g-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069894 /clone_end=3'	1	TTGAAGCCTCTGGTACTTCCCTTC CCAAACCCAGTCACAGGAAACACT
7868	db mining	Hs.127167	AA938326	3096437	oc11c08.s1 cDNA, 3' end /clone=IMAGE:1340558 /clone_end=3'	1	TTGGAGGTTAACAGTATTCCTTTGAG TGGTGTGATTAAAGGTGCTTTTAT
7869	db mining	Hs.123361	AA811359	2880970	ob82a07.s1 cDNA, 3' end /clone=IMAGE:1337844 /clone_end=3'	1	CCAACTCCAGAACTGCCTATCTAAC TCATCTGTGGTGATGGAATGCTAT
7870	db mining	Hs.105282	AA491247	2220420	aa49b01.s1 cDNA, 3' end /clone=IMAGE:824233 /clone_end=3'	1	AGTGGCTCTCTGCTGTTAGCATGGTT ACTAATCTTTGGTTACTTTTCAT
7871	db mining	Hs.320385	BF512292	11597471	UI-H-BW1-amb-d-12-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069359 /clone_end=3'	1	TGACCTCAGTGTCTACTTCAGCAGAA CCTGTGGGTATATGCCTACCTCAT

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7872	db mining	Hs.105506	AA521196	2261739	aa74c04.s1 cDNA, 3' end /clone=IMAGE:826662 /clone_end=3'	1	AAGGAGAACTGTCAACTGAATCTCAA ATGCAGTCAAATGAAGAGAGGCAT
7873	db mining	Hs.124928	AA765759	2816997	oa07h05.s1 cDNA, 3' end /clone=IMAGE:1304313 /clone_end=3'	1	TTCAAGTCATTATAGGTTTGGGCATA CAGGGTTAACCTTGTGATGTACAT
7874	db mining	Hs.320488	BF513286	11598465	UI-H-BW1-amo-e-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070580 /clone_end=3'	1	AGCAGAACACATGTGTTTGACACTT TTCCTCTCTGTAATGAGGTACAT
7875	db mining	Hs.122891	AA767801	2818816	oa45h09.s1 cDNA, 3' end /clone=IMAGE:1307969 /clone_end=3'	1	TGCCTGTGTGGGTCAAAGGAATCATC TATGCTAATGATTTTGAGCCAAAT
7876	db mining	Hs.116435	AA648285	2574714	ns20d12.s1 cDNA, 3' end /clone=IMAGE:1184183 /clone_end=3'	1	ACCGAAAGCAGCATTTTCAATGTTTA ATTAAATCGATGCAGGAAATTTGTG
7877	db mining	Hs.300303	AW292760	6699396	UI-H-BW0-aij-c-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729453 /clone_end=3'	1	GTCCCTGGCCCTTCACTCTTCGTCCA GGCTCTCTGACCTCTTCCCTCTG
7878	db mining	Hs.123154	AA688058	2674964	nv58c04.s1 cDNA, 3' end /clone=IMAGE:1233990 /clone_end=3'	1	TGTCCGCTGTTTTACCTCACTGCTCC TGTTTATGCCCTTAACCTTCTGCTG
7879	db mining	Hs.320489	BF513296	11598475	UI-H-BW1-amo-f-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070628 /clone_end=3'	1	GCACAAGACCTCACTTGGAACAAGTA CCAGGCAGAGAGAGCATTACCTG
7880	db mining	Hs.124353	AA830448	2903547	oc51d05.s1 cDNA, 3' end /clone=IMAGE:1353225 /clone_end=3'	1	TTTCATATCTTGGCAGTTGGATGCGG TAAGAGCCACAGAGAAACCACCTG
7881	db mining	Hs.122824	AA765319	2816557	oa01f11.s1 cDNA, 3' end /clone=IMAGE:1303725 /clone_end=3'	1	AGGACCCCTTTTCCCATATTTCTGGCT ATATACAAGGATATCCAGACACTG
7882	db mining	Hs.124317	AA827178	2901175	ob53g04.s1 cDNA, 3' end /clone=IMAGE:1335126 /clone_end=3'	1	ACCAGGCCTAGAAATTTAGGTTCTAGG TGTAACATATTGGCCTATCAGATG
7883	db mining	Hs.300373	AW297820	6704445	UI-H-BW0-aiy-h-04-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731230 /clone_end=3'	1	GTGCATTTTAGCAACAGACTTCCAGG TTTCCAGCGCGGGCCAGGAAGGGG
7884	db mining	Hs.320464	BF513050	11598229	UI-H-BW1-amn-a-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070349 /clone_end=3'	1	CTGTCATGCACCACCTCATCCCTCC TTCAGGGCCAGGGACAGTCCCTAG
7885	db mining	Hs.313366	AW297537	6704173	UI-H-BW0-aja-f-05-0-UI.s1 cDNA, 3' end /clone=IMAGE:2731160 /clone_end=3'	1	AGAGGAGGAGGGGGTGAATGAATT TCATTTAAAGCTCAACCTAGTTCAG
7886	db mining	Hs.320427	BF512648	11597827	UI-H-BW1-amg-d-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069762 /clone_end=3'	1	CAGTCTCCCAGCTTTCTTGGCCTCCT CTGCCAACTGGATGCAAGGCTCAG
7887	db mining	Hs.252840	AW015143	5863980	UI-H-BI0p-abb-e-07-0-UI.s1 cDNA, 3' end /clone=IMAGE:2711149 /clone_end=3'	1	TGGAGAGAAGGTTCCGGGAAGACGAG GGGGCTGGGAGGTTTGGAAAGACAG
7888	db mining	Hs.313161	AW292801	6699437	UI-H-BW0-aij-f-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:2729613 /clone_end=3'	1	CTGAAATGGGGGAAGGTGGGTTATG ACAAAGTTTATGGAGAGGCCTGAAG
7889	db mining	Hs.309124	AI380478	4190331	tf95a09.x1 cDNA, 3' end /clone=IMAGE:2107000 /clone_end=3'	1	TAAAGCGGTACGGGATTCGCGACCC TACTCCAGCAAGAAAGAGCCTGAAG
7890	db mining	Hs.120562	AA741096	2779688	ny99g07.s1 cDNA, 3' end /clone=IMAGE:1286460 /clone_end=3'	1	AGCATTCATTCTCCAAACACACTCC CAGGGTTAGGTCTCTTACCTCTGC
7891	db mining	Hs.105530	AA521450	2261993	aa69d11.s1 cDNA, 3' end /clone=IMAGE:826197 /clone_end=3'	1	GGTGTGGAATATTTATACGGATTGGC ATCATAAGATACCGCGATACCTGC
7892	db mining	Hs.123194	AA805997	2874747	oc18g05.s1 cDNA, 3' end /clone=IMAGE:1341272 /clone_end=3'	1	ACCTTAGTCTAACTGCCTTCTGTAAA GTGGGTTGCTATAGTCTTTAAGCC
7893	db mining	Hs.122833	AA765597	2816835	oa08a10.s1 cDNA, 3' end /clone=IMAGE:1304346 /clone_end=3'	1	TGAGGTTTGGATGGTGGCAGGTAAAA CAGAAAGGCAAGATGTCATCTGAC
7894	db mining	Hs.313827	AW452984	6993760	UI-H-BW1-amd-g-11-0-UI.s1 cDNA, 3' end /clone=IMAGE:3069525 /clone_end=3'	1	TGGAGCTGCTACATAATTATTTTCAGG TCTCAAAGCTTCCAAGAAGTGGAC
7895	db mining	Hs.122383	AA789140	2849260	aa66g10.s1 cDNA, 3' end /clone=IMAGE:825954 /clone_end=3'	1	AGACGGAACCTGAGATGTTGGATGTT GTTGATCTTAGCAAACAGACTTTA
7896	db mining	Hs.120226	AA731687	2752576	nw58f05.s1 cDNA, 3' end /clone=IMAGE:1250817 /clone_end=3'	1	AGATCTGTAAATCTTTGGCAAATGGAA CTCACCTGCAACGATACCTACTTA
7897	db mining	Hs.120288	AA731998	2753949	nw61b04.s1 cDNA, 3' end /clone=IMAGE:1251055 /clone_end=3'	1	GAGGACTTCCATTCCCCATTTCCCGC ATACCTGCTGTTCTGTCTGAATTA
7898	db mining	Hs.123168	AA804519	2873650	ns28a11.s1 cDNA, 3' end /clone=IMAGE:1184924 /clone_end=3'	1	AGCTCACACCTGTTCTTCATGGGTC AGTTCCTTTCATTTTCACTTTTGA
7899	db mining	Hs.124369	AA830835	2903934	oc54b06.s1 cDNA, 3' end /clone=IMAGE:1353491 /clone_end=3'	1	AGCTGCTGCTTCTCTTTTCAGTTGCAA ATGCAAACCTGTTATAATCTTTGA

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7900	db mining	Hs.122482	AA767335	2818350	nz65h02.s1 cDNA, 3' end /clone=IMAGE:1300371 /clone_end=3'	1	TCAATATCTGTGTCTTTTCATGAGT GGCTGTTACTTGTGAAGAATTGA
7901	db mining	Hs.313287	AW296059	6702695	UI-H-BW0-aiu-g-03-0-UI.s1 cDNA, 3' end /clone=IMAGE:2730796 /clone_end=3'	1	TGAGTGGACTGAGGAATGAATAGAAA ACGTGGATATATGTAGAAAGCTGA
7902	db mining	Hs.120705	AA748015	2787973	nx87c05.s1 cDNA, 3' end /clone=IMAGE:1269224 /clone_end=3'	1	ACCAGCCCTGGGAATGTTATGAGCA AATGATACTCCATGAGTAAATGA
7903	db mining	Hs.320495	BF513385	11598564	UI-H-BW1-amk-f-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070242 /clone_end=3'	1	TCGTGTGAGTGTGAGAGACATGTTCA TTGTGAAAAGATACTCCTAGTGGA
7904	db mining	Hs.121104	AA721020	2737155	nx89f11.s1 cDNA, 3' end /clone=IMAGE:1269453 /clone_end=3'	1	TTTGTCAAATGCCTGTTCCACCATCTG TGGAAGTCATTATATGATTACAGGA
7905	db mining	Hs.124297	AA827809	2900172	od08c04.s1 cDNA, 3' end /clone=IMAGE:1367334 /clone_end=3'	1	ACACTTTTCTTCTAAGGAGAGCTTTCT TAGGCATTTCAAAGAACTTTCTGA
7906	db mining	Hs.320372	BF512096	11597308	UI-H-BW1-ami-f-10-0-UI.s1 cDNA, 3' end /clone=IMAGE:3070218 /clone_end=3'	1	ACCAAATGAGTACCATCTGTTGAACA CAGGGTGGCGATCCAAGTGTTCCTCA
7907	HUVEC cDNA	Hs.92381	AB007956	3413930	mRNA, chromosome 1 specific transcript KIAA0487 /cds=UNKNOWN	1	ACCTGACTTCCACGATAAAATGGAGA TGAGTGCAGGGGTGAGTGTATAGT
7908	HUVEC cDNA	Hs.24950	AB008109	2554613	regulator of G-protein signalling 5 (RGS5), mRNA /cds=(81,626)	1	TGCAGATTTATACTCCTGACGTGTCT CATTACAGCTAAATAATAGGCCA
7909	HUVEC cDNA	Hs.306193	AB011087	3043553	hypothetical protein (LQFBS-1), mRNA /cds=(0,743)	1	ACCCTCGCCCTTCCCTCCGGTTCAG TACCTATTGTTCTCCTTTTCAAAT
7910	HUVEC cDNA	Hs.154919	AB014525	3327063	mRNA for KIAA0625 protein, partial cds /cds=(0,2377)	1	AAGAGGAAATGGCAGAATTAAAGCA GAAACAAGAAGATGGACATGGATT
7911	HUVEC cDNA	Hs.153026	AB014540	3327093	mRNA for KIAA0640 protein, partial cds /cds=(0,1812)	1	AAGAGTGTGTTGAGTGCTGTGCATCAG GTGTTTTCTTAATAAGTAGGGAT
7912	HUVEC cDNA	Hs.24439	AB014546	3327105	ring finger protein (C3HC4 type) 8 (RNF8), mRNA /cds=(112,1569)	1	CTGCTGTCCACTTTCCTTCAGGCTCT GTGAATACCTCAACCTGCTGTGAT
7913	HUVEC cDNA	Hs.155829	AB014576	3327165	mRNA for KIAA0676 protein, partial cds /cds=(0,3789)	1	TTCCTTGGATTCACTTTCCTTGCTA GAAATTACACTGTGCTCAATGCCT
7914	HUVEC cDNA	Hs.93675	AB022718	4204189	decidual protein induced by progesterone (DEPP), mRNA /cds=(218,856)	1	AGGTCTCTGCCACCTCCTTCTCTGTG AGCTGTCACTAGGTTATTCTCT
7915	HUVEC cDNA	Hs.104305	AB023143	4589483	death effector filament-forming Ced-4- like apoptosis protein (DEFCAP), transcript variant B, mRNA /cds=(522,4811)	1	GAATAGGAGGGACATGGAACCATTTG CCTCTGGCTGTGTACAGGGGTGAG
7916	HUVEC cDNA	Hs.103329	AB023187	14133226	KIAA0970 protein (KIAA0970), mRNA /cds=(334,2667)	1	CCTGTTTAAGAAAGTGAAATGTTATG GTCTCCCCTCTTCCAATGAGCTTA
7917	HUVEC cDNA	Hs.155182	AB028959	5689408	KIAA1036 protein (KIAA1036), mRNA /cds=(385,1482)	1	TTTCATTTTCACACTTCATCTCATTCC TGTTGTCACTTTCCCGAAACGA
7918	HUVEC cDNA	Hs.129218	AB028997	5689484	DNA sequence from clone RP11- 145E8 on chromosome 10. Contains the gene KIAA1074, the 3' end of the YME1L1 gene for YME1 (S.cerevisiae)- like 1, ESTs, STSs, GSSs and a CpG island /cds=(166,5298)	1	TCTGGATCAATAGCTTCCCCTCTAGG GTCTACTGATGAGTCAAATCTAAA
7919	HUVEC cDNA	Hs.8383	AB032255	6683499	bromodomain adjacent to zinc finger domain, 2B (BAZ2B), mRNA /cds=(366,6284)	1	TTTATCTACTGTGTGTTGTGGTGGCC TGTTGGAGGCCAAATAGATCAGATT
7920	HUVEC cDNA	Hs.15165	AB037755	7243048	novel retinal pigment epithelial gene (NORPEG), mRNA /cds=(111,3053)	1	GACATTTTGTAGGATGCCTGACGAG GTGTAGCCCTTTATCTGTTTCCG
7921	HUVEC cDNA	Hs.82113	AB049113	10257384	dUTP pyrophosphatase (DUT), mRNA /cds=(29,523)	1	CCCAGTTTGTGGAAGCACAGGCAAG AGTGTCTTTCTCTGGTGATTCTCCA
7922	HUVEC cDNA	Hs.8180	AF000652	2795862	syndecan binding protein (syntenin) (SDCBP), mRNA /cds=(148,1044)	1	TGTTCCCTTTCTGACTCCTCCTTGC AAACAAAATGATAGTTGACACTTT
7923	HUVEC cDNA	Hs.147916	AF000982	2580549	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 3 (DDX3), transcript variant 2, mRNA /cds=(856,2844)	1	GTGACTTGTACATTTCAGCAATAGCAT TTGAGCAAGTTTATCAGCAAGCA
7924	HUVEC cDNA	Hs.75056	AF002163	2290769	adaptor-related protein complex 3, delta 1 subunit (AP3D1), mRNA /cds=(209,3547)	1	TTGCTATCGACATTCCTGTATAAAGA GAGAGACATATCACGCTGTGTCA
7925	HUVEC cDNA	Hs.42915	AF006082	2282029	ARP2 (actin-related protein 2, yeast) homolog (ACTR2), mRNA /cds=(74,1258)	1	CCTGCCAGTGTGAGAAAATCCTATTT ATGAATCCTGTGCGTATTCCTTGG
7926	HUVEC cDNA	Hs.11538	AF006084	2282033	actin related protein 2/3 complex, subunit 1A (41 kD) (ARPC1B), mRNA /cds=(80,1198)	1	AGGGAGGGGACAGATGGGGAGCTTT TCTTACCTATTCAAGGAATACGTGC
7927	HUVEC cDNA	Hs.6895	AF006086	2282037	actin related protein 2/3 complex, subunit 3 (21 kD) (ARPC3), mRNA /cds=(25,561)	1	TCAAGAATTTGGGTGGGAGAAAAGAA AGTGGGTTATCAAGGGTGATTGA
7928	HUVEC cDNA	Hs.286027	AF010313	6468761	etoposide-induced mRNA (PIG8), mRNA /cds=(72,1151)	1	TGTGATTAGGTTGTTTTCTGTCAATT TTGAGAGACTAAAATTGTGGGGG

Table 8

7929	HUVEC cDNA	Hs.79150	AF026291	2559007	chaperonin containing TCP1, subunit 4 (delta) (CCT4), mRNA /cds=(0,1619)	1	TGGGCTTGGTCTTCCAGTTGGCATT GCCTGAAGTTGTATTGAAACAATT
7930	HUVEC cDNA	Hs.81452	AF030555	3158350	fatty-acid-Coenzyme A ligase, long-chain 4 (FACL4), transcript variant 2, mRNA /cds=(506,2641)	1	AACAAGATGAGAACAGATAAAGATTG TGTGGTGTITTTGGATTGGAGAGA
7931	HUVEC cDNA	Hs.139851	AF035752	2665791	caveolin 2 (CAV2), mRNA /cds=(20,508)	1	TGTAGCTCCCACAAGGTAACCTTCAT TGGAAGATTGCACTGTTCTGATT
7932	HUVEC cDNA	Hs.194709	AF037364	14030860	paraneoplastic antigen MA1 (PNMA1), mRNA /cds=(664,1725)	1	TCACTCCCCCACTTCACTCTTTGTCA GAGAATAGTCTTGTTCATACTG
7933	HUVEC cDNA	Hs.79516	AF039656	2773159	brain acid-soluble protein 1 (BASP1), mRNA /cds=(52,735)	1	TGGGAGTGACAAACATTCTCTCATCC TACTTAGCCTACCTAGATTTCCTCA
7934	HUVEC cDNA	Hs.29417	AF039942	4730928	HCF-binding transcription factor Zhangfei (ZF), mRNA /cds=(457,1275)	1	AATGGAAGGATTAGTATGGCCTATTT TTAAAGCTGCTTTGTGAGTTTCCT
7935	HUVEC cDNA	Hs.26232	AF044414	6136293	mannosidase, alpha, class 2C, member 1 (MAN2C1), mRNA /cds=(56,3244)	1	CCCCAGCCTAAAGCAGGGATCAGTC TTTTCTTGGAATAAATCCTTGGA
7936	HUVEC cDNA	Hs.3776	AF062072	3668065	zinc finger protein 216 (ZNF216), mRNA /cds=(288,929)	1	TGTGGTAATGCCTGTTTTCTCATCTGTA AATAGTTAAGTATGTACACGAGGC
7937	HUVEC cDNA	Hs.74034	AF070648	3283922	clone 24651 mRNA sequence /cds=UNKNOWN	1	AGATGCTTAGTCCCTCATGCAAAATCA ATTACTGGTCCAAAGATTGCTGA
7938	HUVEC cDNA	Hs.274230	AF074331	5052074	PAPS synthetase-2 (PAPSS2) mRNA, complete cds /cds=(63,1907)	1	AAACTGCTCTTCTGCTCTAGTACCA TGCTTAGTGCAAAATGATTATTCT
7939	HUVEC cDNA	Hs.12540	AF081281	3415122	lysophospholipase I (LYPLA1), mRNA /cds=(35,727)	1	AGCTATTAGGATCTTCAAGCCAGGTA ACAGGAATAATTCTGTGGTTTCAT
7940	HUVEC cDNA	Hs.159629	AF092131	5138911	myosin IXB (MYO9B), mRNA /cds=(0,6068)	1	TCCTGCGTCTATCCATGTGGAATGCT GGACAATAAAGCGAGTGCTGCCCA
7941	HUVEC cDNA	Hs.273385	AF105253	7532779	guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1 (GNAS1), mRNA /cds=(68,1252)	1	GCCACAAAAGTTCCTCTCACTTTCA GTAAAAATAAATAAACAGCAGCA
7942	HUVEC cDNA	Hs.2934	AF107045	5006419	ribonucleotide reductase M1 polypeptide (RRM1), mRNA /cds=(187,2565)	1	ACTGCTTTGACTGGTGGGTCTCTAGA AGCAAACTGAGTGATAACTCATG
7943	HUVEC cDNA	Hs.158237	AF112345	6650627	integrin alpha 10 subunit (ITGA10) mRNA, complete cds /cds=(76,3579)	1	GGCATTGTCTCTGTTTCCAGTGGGG TGGACAGTATATCAGATGGTCAGA
7944	HUVEC cDNA	Hs.183698	AF116627	7959755	ribosomal protein L29 (RPL29), mRNA /cds=(29,508)	1	CCCTGGGCTACCATTGCTGCTGGGGC TGGGGTCTCCTGTGCTATTGTGAC
7945	HUVEC cDNA	Hs.2186	AF119850	7770136	Homo sapiens, eukaryotic translation elongation factor 1 gamma, clone MGC:4501 IMAGE:2964623, mRNA, complete cds /cds=(2278,3231)	1	TCAAGTGAACATCTCTTGCCATCACC TAGCTGCCTGCACCTGCCCTTCAG
7946	HUVEC cDNA	Hs.22900	AF134891	7381111	nuclear factor (erythroid-derived 2)-like 3 (NFE2L3), mRNA /cds=(492,1694)	1	TCTTGGCAGCCATCCTTTTTAAGAGT AAGTTGGTTACTTCAAAAAGAGCA
7947	HUVEC cDNA	Hs.108258	AF141968	6273777	actin cross-linking factor (ACF7), transcript variant 1, mRNA /cds=(51,16343)	1	AGCTAAAGAGAGGGAACCTCATCTAA GTAACATTGACATGATACAGCA
7948	HUVEC cDNA	Hs.11156	AF151072	7106865	hypothetical protein (LOC51255), mRNA /cds=(0,461)	1	GCTGAGTGCTGGCCCTCTGCGTCTT CCTTATTAACCTGAATCCTCATTA
7949	HUVEC cDNA	Hs.179573	AF193556	6907041	collagen, type I, alpha 2 (COL1A2), mRNA /cds=(139,4239)	1	TGAATGATCAGAACTGACATTTAATTC ATGTTTGTCTGCCATGCTCTCT
7950	HUVEC cDNA	Hs.41135	AF205940	8547214	endomucin-2 (LOC51705), mRNA /cds=(78,863)	1	TCCGGGCCCAAGAAATTTTATCCATGA AGACTTTCCTACTTTCTCGGTGT
7951	HUVEC cDNA	Hs.142908	AF219119	7158848	E2F-like protein (LOC51270), mRNA /cds=(278,979)	1	GCAGAGTTTATTGTTGCCCTTAACA GTTTTTCTGAGTTTACTGAAGAA
7952	HUVEC cDNA	Hs.154721	AF261088	9802307	aconitase 1, soluble (ACO1), mRNA /cds=(107,2776)	1	TTATCAAGCAGAGACCTTTGTTGGGA GGCGGTTTGGGAGAACACATTTCT
7953	HUVEC cDNA	Hs.76288	AF261089	9802309	calpain 2, (m/II) large subunit (CAPN2), mRNA /cds=(142,2244)	1	GGGTATGCTGCCTCTGTAAATTCATG TATTCAAAAGGAAAAGACACCTTGC
7954	HUVEC cDNA	Hs.152707	AJ001259	2769253	glioblastoma amplified sequence (GBAS), mRNA /cds=(8,868)	1	TTGTCTGCCCCACAATCAAGAATGTA TGTGTAAGTGTAATAAATCTCA
7955	HUVEC cDNA	Hs.5097	AJ002308	2959871	synaptogyrin 2 (SYNGR2), mRNA /cds=(29,703)	1	ATGCCCGCCTGGGATGCTGTTTGG AGACGGAATAAATGTTTTCTCATTC
7956	HUVEC cDNA	Hs.143323	AJ243706	6572290	mRNA for RB-binding protein (rbbp2h1a gene) /cds=(757,5802)	1	AGCAGTTTGTGATATAGCAGAGGTTT AAATGTACCCTCCCCTTTTATGCA
7957	HUVEC cDNA	Hs.1197	NM_002157	4504522	Heat shock 10kD protein 1 (chaperonin 10)	1	TGATGCTGCCCATTCACCTGAAGTTC TGAAATCTTTCGTATGTAATAA
7958	HUVEC cDNA	Hs.79037	BC010112	14603308	Homo sapiens, heat shock 60kD protein 1 (chaperonin), clone MGC:19755 IMAGE:3630225, mRNA, complete cds /cds=(1705,3396)	1	AGCAGCCTTCTGTGGAGAGTGAGAA TAATTGTGTACAAAGTAGAGAAGT
7959	HUVEC cDNA	Hs.279860	AJ400717	7573518	tumor protein, translationally-controlled 1 (TPT1), mRNA /cds=(94,612)	1	CATCTGAAGTGTGGAGCCTTACCCAT TTCATCACCTACAAACGGAAGTAGT

Table 8

7960	HUVEC cDNA	Hs.165563	AK024508	10440535	DNA sequence from clone RP4-591C20 on chromosome 20. Contains ESTs, STSs, GSSs and CpG islands. Contains a novel gene for a protein similar to NG26, the TPD52L2 gene for two isoforms of tumor protein D52-like protein 2, a gene for a novel DnaJ domain protein similar to mouse and bovine cysteine string protein with two isoforms, a gene for a novel phosphoribulokinase with three isoforms, the KIAA1196 gene and the 5' part of the TOM gene for a putative mitochondrial outer membrane protein import receptor similar to yeast pre-mRNA splicing factors Prp1/Zer1 and Prp6 /cds=(0,503)	1	GCCAGGCTGGTTCCGCATGGTGATC TCCGTCTTGATGTCTGAATGTTGG
7961	HUVEC cDNA	Hs.91146	AL050147	4884153	protein kinase D2 mRNA, complete cds /cds=(39,2675)	1	CTATTTCACAGGCCCTCCCTGTTTC CCCAGCAATTAACCGACTCATC
7962	HUVEC cDNA	Hs.66762	AL050367	4914600	mRNA; cDNA DKFZp564A026 (from clone DKFZp564A026) /cds=UNKNOWN	1	AAAGTGCCAGAATGACTCTTCTGTGC ATTCTTCTTAAGAGCTGCTTGGT
7963	HUVEC cDNA	Hs.165998	AL080119	5262550	PAI-1 mRNA-binding protein (PAI-RBP1), mRNA /cds=(85,1248)	1	TTGTTGGTAGGCACATCGTGTCAAGT GAAGTAGTTTTATAGGTATGGGTT
7964	HUVEC cDNA	Hs.111801	AL096723	5419856	mRNA; cDNA DKFZp564H2023 (from clone DKFZp564H2023) /cds=UNKNOWN	1	AGTCCTGTATCATCCATACTTGTA CCTTGCTCTATGAAGCTCTGAGA
7965	HUVEC cDNA	Hs.89434	AL110225	5817161	drebrin 1 (DBN1), mRNA /cds=(97,2046)	1	TTGGCCGCTTCCCTACCCACAGGGC CTGACTTTTACAGCTTTTCTCTTTT
7966	HUVEC cDNA	Hs.7527	AL110239	5817182	small fragment nuclease (DKFZP566E144), mRNA /cds=(77,790)	1	TATGACACAGCAGCTCCTTTGTAAGT ACCAGGTCATGTCCATCCCTTGGT
7967	HUVEC cDNA	Hs.187991	AL110269	5817043	DKFZP564A122 protein (DKFZP564A122), mRNA /cds=(2570,2908)	1	TTGGTGAGTTGCCAAAGAAGCAATAC AGCATATCTGCTTTTGCCCTCTGT
7968	HUVEC cDNA	Hs.25882	AL117665	5912262	mRNA; cDNA DKFZp586M1824 (from clone DKFZp586M1824); partial cds /cds=(0,3671)	1	TGCATAGATGACCTTTGGATTATTGG ACTCTGACTATTGGGACCCTAAAT
7969	HUVEC cDNA	Hs.17428	AL133010	6453416	RBP1-like protein (BCAA), transcript variant 2, mRNA /cds=(466,4143)	1	TGGACGCCCTAAGAAACAGAGAAAAC AGAAATAACAACCGAGGAAGCTT
7970	HUVEC cDNA	Hs.278242	AL137300	6807762	Homo sapiens, clone MGC:3214 IMAGE:3502620, mRNA, complete cds /cds=(2066,3421)	1	CAATAGCTTGTGGGTCTGTGAAGACT GCGGTGTTTGAGTTTCTCACACCC
7971	HUVEC cDNA	Hs.7378	AL137663	6807784	mRNA; cDNA DKFZp434G227 (from clone DKFZp434G227) /cds=UNKNOWN	1	TGCACTGTACTCTCTTCATAGGATTG TAAAGGTGTTCTAATCCAATTGCA
7972	HUVEC cDNA	Hs.61289	AL157424	7018453	mRNA; cDNA DKFZp761E1512 (from clone DKFZp761E1512) /cds=UNKNOWN	1	TGAAGTCATTTTCATTGGGAAGGAAAG CTGCAAGATTATTGGGGGACTAG
7973	HUVEC cDNA	Hs.240013	AL390148	9368882	mRNA; cDNA DKFZp547A166 (from clone DKFZp547A166) /cds=UNKNOWN	1	TTTCATCTGGCCACCCTCCTTAGAC TCTCCTCCCTCAAGAGTTGGAGC
7974	HUVEC cDNA	Hs.22629	AW887820	8049833	602281231F1 cDNA, 5' end /clone=IMAGE:4368943 /clone_end=5'	1	GTGTAGAATTCGGATCCAGTCATCTC ACAGAACTTTCCACTAGGGTGCCA
7975	HUVEC cDNA	Hs.333414	BE562833	9806553	hypothetical protein MGC14151 (MGC14151), mRNA /cds=(108,485)	1	CGGACCCAGTTTCTTGTAACCAAGGG GGAAACATGCGGGGACCCCAATGG
7976	HUVEC cDNA	NA	BE612847	9894444	601452239F1 NIH_MGC_66 cDNA clone IMAGE:3856304 5', mRNA sequence	1	TAAAGATGTCCGGGTACACTTCGCCA AGGGTTAGCGTCTTTGGGCATTTC
7977	HUVEC cDNA	Hs.86412	BE876332	10325018	chromosome 9 open reading frame 5 (C9orf5), mRNA /cds=(32,2767)	1	AACACAACACTAAAACCGAACACACA CGTACTAACACACCCAGCACCCAA
7978	HUVEC cDNA	Hs.285814	BE906669	10400012	sprouty (Drosophila) homolog 4 (SPRY4), mRNA /cds=(205,525)	1	CCTTCTGGTTCTGCTTTTGACCAGCA TTTTTGTGCCCTCTGTTACTGTG
7979	HUVEC cDNA	Hs.113029	BF025727	10733439	ribosomal protein S25 (RPS25), mRNA /cds=(63,440)	1	GATATACGAAACACCACTGGACGA TGCGAAAAACGAGACGACATAAGC
7980	HUVEC cDNA	Hs.263339	BF107006	10889631	602377929F1 cDNA, 5' end /clone=IMAGE:4508646 /clone_end=5'	1	TGGACAGGCATGAAAGGTTACAAATG GGAGAAAACACACACGTTATGT
7981	HUVEC cDNA	Hs.182426	BF204683	11098269	601867521F1 cDNA, 5' end /clone=IMAGE:4110052 /clone_end=5'	1	GCAGGAGAGCGAGAGAGGAGAAGAA GAGGCAGGAGGGAGAAAGAGCGTAC
7982	HUVEC cDNA	Hs.75968	BF217687	11111273	thymosin, beta 4, X chromosome (TMSB4X), mRNA /cds=(77,211)	1	CAAGAAGCAGAAGCAGCAACCAGAG ACAGAGAGACAAACGCAGAACACA
7983	HUVEC cDNA	Hs.112318	BF237710	11151628	cDNA FLJ14633 fis, clone NT2RP2000938 /cds=UNKNOWN	1	AGAGGAAAGAATAGGACCACTGCCG AGGTATAGGGAGGAGGGCATACTAA
7984	HUVEC cDNA	Hs.293981	BF247088	11162147	Homo sapiens, clone MGC:16393 IMAGE:3939021, mRNA, complete cds /cds=(506,1900)	1	TCGGAGTAAGGGCGATTGTCTCGTTA GGTAATACATCATCTTCGTGCATA

Table 8

7985	HUVEC cDNA	Hs.157850	BF303931	11250608	Homo sapiens, clone MGC:15545 IMAGE:3050745, mRNA, complete cds /cds=(1045,1623)	1	AGACAAGACGAGCAACGACAACCAC AGCAGCTCCATACACTCTGCCTCTC
7986	HUVEC cDNA	Hs.217493	D00017	219909	annexin A2 (ANXA2), mRNA /cds=(49,1068)	1	AGTGAAGTCTATGATGTGAAACACTT TGCCTCTGTGTACTGTGTGCATAA
7987	HUVEC cDNA	Hs.76549	D00099	219941	mRNA for Na,K-ATPase alpha-subunit, complete cds /cds=(318,3389)	1	TACCAAGACAGCTCATCAGAACAGTA AATATCCGCTGCGCAGTTCGATCA
7988	HUVEC cDNA	Hs.330716	D10522	219893	cDNA FLJ14368 fis, clone HEMBA1001122 /cds=UNKNOWN	1	AAACTCCTGCTTAAGGTGTTCTAATTT TCTGTGAGCACACTAAAAGCGAA
7989	HUVEC cDNA	Hs.75929	D21255	575578	mRNA for OB-cadherin-2, complete cds /cds=(476,2557)	1	CGTGCCAGATATAACTGTCTTGTTC AGTGAGAGAGCCCTATTTCTATG
7990	HUVEC cDNA	Hs.178710	D21260	434760	clathrin, heavy polypeptide (Hc) (CLTC), mRNA /cds=(172,5199)	1	TCCCTGAGGCTTGTGTATGTTGGATA TTGTGGTGTTTTGTAGTCACTGAGT
7991	HUVEC cDNA	Hs.334822	D23660	432358	Homo sapiens, Similar to ribosomal protein L4, clone MGC:2966 IMAGE:3139805, mRNA, complete cds /cds=(1616,2617)	1	CAGAGAAGAAACCTACTACAGAGGA GAAGAAGCCTGCTGCATAAACTCTT
7992	HUVEC cDNA	Hs.262823	D28500	7678803	hypothetical protein FLJ10326 (FLJ10326), mRNA /cds=(2,2296)	1	TCAGAACATAGATATGTATTCAGCTT GTCTTCAAATACGGCCAAGCAGAA
7993	HUVEC cDNA	Hs.151761	D43947	603948	KIAA0100 gene product (KIAA0100), mRNA /cds=(329,6607)	1	TTGGGGTCAAGTGAAAGGGTAGGGG GATAGTCTGATCAAGTGTGATAAA
7994	HUVEC cDNA	Hs.699	D50525	1167502	peptidylprolyl isomerase B (cyclophilin B) (PPIB), mRNA /cds=(21,671)	1	CAGCAATCCATCTGAACGTGTGGAGG AGAAGCTCTCTTTACTGAGGGTGC
7995	HUVEC cDNA	Hs.278607	D50911	6633996	mRNA; cDNA DKFZp434N0735 (from clone DKFZp434N0735); partial cds /cds=(0,1577)	1	CCTTCTCTCATGTGTGTAAATCTGTA ATATACCATTCTCTGTGGCCTGT
7996	HUVEC cDNA	Hs.57729	D50922	1469186	Kelch-like ECH-associated protein 1 (KIAA0132), mRNA /cds=(112,1986)	1	GGATGGCACTTCCCCACCGGATGGA CAGTTATTTTGTGTAAAGTAACCC
7997	HUVEC cDNA	Hs.240770	D59253	1060898	Homo sapiens, nuclear cap binding protein subunit 2, 20kD, clone MGC:4991 IMAGE:3458927, mRNA, complete cds /cds=(26,496)	1	TGAGTCAGTGTCTTTACTGAGCTGGA AGCCTCTGAAAGTTATTAAGGCA
7998	HUVEC cDNA	Hs.155595	D63878	961447	neural precursor cell expressed, developmentally down-regulated 5 (NEDD5), mRNA /cds=(258,1343)	1	CCCACACTGTACACTTCTGATCCCC TTTGGTTTACTACCCAAATCTAA
7999	HUVEC cDNA	Hs.80712	D86957	1503987	septin 2 (SEP2) mRNA, partial cds /cds=(0,1527)	1	GTGGCTTGCTAGTCTGTTACGTTAAC ATGCTTTTCTAAATGCTTCACG
8000	HUVEC cDNA	Hs.75822	D86970	1504013	mRNA for KIAA0216 gene, complete cds /cds=(484,5229)	1	TTGTACTCACTGGGCTGTGCTCTCCC CTGTTTACCCGATGTATGGAATA
8001	HUVEC cDNA	Hs.170311	D89678	3218539	heterogeneous nuclear ribonucleoprotein D-like (HNRPDL), transcript variant 1, mRNA /cds=(580,1842)	1	TTATGATTAGGTGACGAGTTGACAT TGAGATTGTCCTTTTCCCTGATC
8002	HUVEC cDNA	Hs.83213	J02874	178346	fatty acid binding protein 4, adipocyte (FABP4), mRNA /cds=(47,445)	1	TTGTTGTTTTCCCTGATTAGCAAGCA AGTAATTTCTCCCAAGCTGATT
8003	HUVEC cDNA	Hs.177766	J03473	337423	ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase) (ADPRT), mRNA /cds=(159,3203)	1	TTAGAAACAAAAGAGCTTTCCTTCT CCAGGAATACTGAACATGGGAGCT
8004	HUVEC cDNA	Hs.155560	L10284	186522	calnexin (CANX), mRNA /cds=(89,1867)	1	CCATTGTTGTCAAATGCCAGTGTCC ATCAGATGTGTTCTCCATTCTTCT
8005	HUVEC cDNA	Hs.75693	L13977	431320	prolylcarboxypeptidase (angiotensinase C) (PRCP), mRNA /cds=(29,1519)	1	GATGCTGGTGCCCAATCCAGGAA GTGAGAGCCATTCTTTTGTACTGG
8006	HUVEC cDNA	Hs.539	L31610	1220360	ribosomal protein S29 (RPS29), mRNA /cds=(30,200)	1	AGTTGGACTAAATGCTCTTCTCCTCAG AGGATTATCCGGGGCATCTACTCA
8007	HUVEC cDNA	Hs.1742	L33075	536843	IQ motif containing GTPase activating protein 1 (IQGAP1), mRNA /cds=(467,5440)	1	TGAATTTACTTCCCTCCCAAGAGTTTG GACTGCCCGTCAGATTGTTTCTGC
8008	HUVEC cDNA	Hs.180446	L38951	893287	importin beta subunit mRNA, complete cds /cds=(337,2967)	1	AAACACATACACAAAAACAGCAAAAC TTCAGGTAACATTTTGGATTGCA
8009	HUVEC cDNA	Hs.79572	M11233	181179	cathepsin D (lysosomal aspartyl protease) (CTSD), mRNA /cds=(2,1240)	1	CTGAGGATGAGCTGGAAGGAGTGAG AGGGGACAAAACCCACCTTGTGGA
8010	HUVEC cDNA	Hs.273415	M11560	178350	aldolase A, fructose-bisphosphate (ALDOA), mRNA /cds=(167,1261)	1	TCTTTCTTCCCTCGTGACAGTGGTGT GTGGTGTGCTGTGTAATGCTAAG
8011	HUVEC cDNA	Hs.254105	M14328	182113	enolase 1, (alpha) (ENO1), mRNA /cds=(94,1398)	1	GCTAGATCCCGGTTGGTTTTGTGCTC AAAATAAAAAGCCTCAGTGACCCA
8012	HUVEC cDNA	Hs.237519	M20867	183059	yz35c09.s1 cDNA, 3' end /clone=IMAGE:285040 /clone_end=3'	1	GCATGGCTTAACTGTGATATAAAGC AGTTATTAAGAGCTACGTTTTCC
8013	HUVEC cDNA	Hs.1239	M22324	178535	alanyl (membrane) aminopeptidase (aminopeptidase N, aminopeptidase M, microsomal aminopeptidase, CD13, p150) (ANPEP), mRNA /cds=(120,3023)	1	CCGCCCTGTACCTCTTTCACCTTTC CCTAAAGACCCTAAATCTGAGGAA
8014	HUVEC cDNA	Hs.118126	M22960	190282	protective protein for beta-galactosidase (galactosialidosis) (PPGB), mRNA /cds=(6,1448)	1	GGACAGCCACAGGGAGGTGGTGGGA CGGACTGTAATTGATAGATTGATTA
8015	HUVEC cDNA	Hs.198281	M26252	338826	pyruvate kinase, muscle (PKM2), mRNA /cds=(109,1704)	1	ATTGAAGCCGACTCTGGCCCTGGCC CTTACTTGCTTCTAGTCTCTAG

Table 8

8016	HUVEC cDNA	Hs.2050	M31166	339991	pentaxin-related gene, rapidly induced by IL-1 beta (PTX3), mRNA /cds=(67,1212)	1	ACTAGACTTTATGCCATGGTGCCTTC AGTTTAAATGCTGTGTCTCTGTCCAG
8017	HUVEC cDNA	Hs.99853	M59849	182591	fibrillarin (FBL), mRNA /cds=(59,1024)	1	GAGCCATATGAAAGAGACCATGCCGT GGTGGTGGGAGTGTACAGGCCACC
8018	HUVEC cDNA	Hs.283473	M64098	183891	hypothetical protein PRO2900 (PRO2900), mRNA /cds=(271,501)	1	ATAACAGACTCCAGCTCCTGGTCCAC CCGGCATGTCAGTCAGCACTCTGG
8019	HUVEC cDNA	Hs.211573	M85289	184426	heparan sulfate proteoglycan 2 (perlecan) (HSPG2), mRNA /cds=(40,13221)	1	CTGGCCTCTGTGTCTAGAGGGAC CCTCCTGTGGCTTTGTCTTGATTT
8020	HUVEC cDNA	Hs.75103	M86400	189952	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide (YWHAZ), mRNA /cds=(84,821)	1	CCCAAAGCTCACTTTACAAAATATTTTCTCAGTACTTTGCAGAAACACC
8021	HUVEC cDNA	Hs.59271	M96982	338262	U2(RNU2) small nuclear RNA auxiliary factor 1 (non-standard symbol) (U2AF1), mRNA /cds=(38,760)	1	ATGTCTGCTAGAAAGTGTGTAGTTG ATTGACCAAACCAAGTTCATAAGGG
8022	HUVEC cDNA	Hs.110802	NM_000552	9257255	von Willebrand factor (VWF), mRNA /cds=(310,8751)	1	CTCTGCATGTTCTGCTCTTGTGCCCT TCTGAGCCCAATAAAGGCTGAG
8023	HUVEC cDNA	Hs.274466	NM_001403	4503472	eukaryotic translation elongation factor 1 alpha 1-like 14 (EEF1A1L14), mRNA /cds=(620,1816)	1	TGCATCGTAAACCTTTTCAAGAGGAA AGGAGAATGTTTGTGGACACGTT
8024	HUVEC cDNA	Hs.279518	NM_001642	4502146	amyloid beta (A4) precursor-like protein 2 (APLP2), mRNA /cds=(72,2363)	1	AGCCCTATTCATGTCTCTACCCACTA TGCACAGATTAACTTCACCTACA
8025	HUVEC cDNA	Hs.76224	NM_004105	9665261	EGF-containing fibulin-like extracellular matrix protein 1 (EFEMP1), transcript variant 1, mRNA /cds=(149,1630)	1	AGTGACAGTGAAGCTTAAGCAAATTAC CCTCCTACCCAATTCTATGGAATA
8026	HUVEC cDNA	Hs.19545	NM_012193	6912383	frizzled (Drosophila) homolog 4 (FZD4), mRNA /cds=(306,1919)	1	ACACATGCCCTGAATGAATTGCTAAA TTCAAAGGAAATGGACCTGCTT
8027	HUVEC cDNA	Hs.87125	NM_014600	7657055	EH-domain containing 3 (EHD3), mRNA /cds=(285,1892)	1	GCCACTGAACCAATCACTTTGTATGC TATGCTCTACTGTGATGGAAAC
8028	HUVEC cDNA	Hs.119503	NM_016091	7705432	HSPC025 (HSPC025), mRNA /cds=(33,1727)	1	AGGACCGAAGTGTTTCAAGTGATCT CAGTAAAGGATCTTTGGAGCCAGA
8029	HUVEC cDNA	Hs.7905	NM_016224	7706705	SH3 and PX domain-containing protein SH3PX1 (SH3PX1), mRNA /cds=(43,1830)	1	TTCAATGGAAAAATGAGGGGTTTCTCC CCACTGATATTTACATAGAGTCA
8030	HUVEC cDNA	Hs.283722	NM_020151	9910251	GTT1 protein (GTT1), mRNA /cds=(553,1440)	1	GCTCCATGTTCTGACTTAGGGCAATT TGATTCTGCACCTGGGGTCTGTCT
8031	HUVEC cDNA	Hs.286233	NM_020414	14251213	sperm autoantigenic protein 17 (SPA17), mRNA /cds=(1210,1665)	1	GCAGCAGCTTAATTTTTCTGTATTGC AGTGTTTATAGGCTTCTTGTGTGT
8032	HUVEC cDNA	Hs.272822	S56985	298485	RuvB (E coli homolog)-like 1 (RUVBL1), mRNA /cds=(76,1446)	1	ACCTCCCACTTTGTCTGTACATACTG GCCTCTGTGATTACATAGATCAGC
8033	HUVEC cDNA	Hs.279518	S60099	300168	amyloid beta (A4) precursor-like protein 2 (APLP2), mRNA /cds=(72,2363)	1	AGCCCTATTCATGTCTCTACCCACTA TGCACAGATTAACTTCACCTACA
8034	HUVEC cDNA	Hs.194662	S80562	1245966	calponin 3, acidic (CNN3), mRNA /cds=(83,1072)	1	ACATGGAAGACTAAACTCATGCTTAT TGCTAAATGTGGTCTTTGCCAACT
8035	HUVEC cDNA	Hs.76669	U08021	494988	nicotinamide N-methyltransferase (NNMT), mRNA /cds=(117,911)	1	AGACCCCTGTGATGCCTGTGACCTCA ATTAAAGCAATTCCTTTGACCTGT
8036	HUVEC cDNA	Hs.89657	U13991	562076	TATA box binding protein (TBP)-associated factor, RNA polymerase II, H, 30kD (TAF2H), mRNA /cds=(17,673)	1	CGCACTACTTCACCTGAGCCACCCAA CCTAAATGTACTTATCTGTCCCCA
8037	HUVEC cDNA	Hs.1516	U20982	695253	insulin-like growth factor binding protein-4 (IGFBP4) gene, promoter and complete	1	CTGTAGACTCAGTGCCAGCCACAGCT TCAGAGATTGTGCTCACATGGTAT
8038	HUVEC cDNA	Hs.183648	U22816	930342	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 1 (PPFIA1), mRNA /cds=(229,3837)	1	TGACAAAGGATTTTACGTTTATAAAAT TATGACAGAAGCCATGTGCCCCG
8039	HUVEC cDNA	Hs.83383	U25182	799380	thioredoxin peroxidase (antioxidant enzyme) (AOE372), mRNA /cds=(43,858)	1	GTCTGCCCTGCTGGCTGGAAACCTG GTAGTGAACAATAATCCCAGATCC
8040	HUVEC cDNA	Hs.75888	U30255	984324	phosphogluconate dehydrogenase (PGD), mRNA /cds=(6,1457)	1	CTCGTCATACAATGCCTGATGGGCTC CTGTCAACCTCCACGTCTCCACAG
8041	HUVEC cDNA	Hs.169476	U34995	1497857	Homo sapiens, glyceraldehyde-3-phosphate dehydrogenase, clone MGC:10926 IMAGE:3628129, mRNA, complete cds /cds=(2306,3313)	1	CTAGGGAGCCGACCTTATCATGTAC CATCAATAAAGTACCCTGTGCTCA
8042	HUVEC cDNA	Hs.192023	U39067	1718194	eukaryotic translation initiation factor 3, subunit 2 (beta, 36kD) (EIF3S2), mRNA /cds=(17,994)	1	TCCGTATCCATTACTTCGACCCACAG TACTTTGAATTTGAGTTTGAGGCT
8043	HUVEC cDNA	Hs.155637	U47077	13570016	DNA-dependent protein kinase catalytic subunit (DNA-PKcs) mRNA, complete cds /cds=(57,12443)	1	CCAGTCCTCCACACCCAACTGTTTTCTGATTGGCTTTTACGCTTTTGTG
8044	HUVEC cDNA	Hs.285313	U51869	2745959	core promoter element binding protein (COPEB), mRNA /cds=(117,968)	1	CTGTTGTCTCTCTGAGGCTGCCAGTT GTTGTGTGTACCGATGCCAGAAG

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8045	HUVEC cDNA	Hs.184270	U56637	1336098	capping protein (actin filament) muscle Z-line, alpha 1 (CAPZA1), mRNA /cds=(0,860)	1	AATATAGTCAAGCAAGTTTGTCCAG GTGACCCATTGAGCTGTGTATGCA
8046	HUVEC cDNA	Hs.75064	U61234	1465773	tubulin-specific chaperone c (TBCC), mRNA /cds=(23,1063)	1	TTTGCTATTTTCGTATGCCTTTGAGA CTGAGTCTTACTCCGTCCTCCAG
8047	HUVEC cDNA	Hs.183684	U73824	1857236	eukaryotic translation initiation factor 4 gamma, 2 (EIF4G2), mRNA /cds=(306,3029)	1	TTGTGGGTGTGAAACAAATGGTGAGA ATTTGAATTGGTCCCTCTATTAT
8048	HUVEC cDNA	Hs.165263	U89278	1877500	early development regulator 2 (homolog of polyhomeotic 2) (EDR2), mRNA /cds=(8,1309)	1	CAGGAAGGAGGTAGGCACCTTTCTG AGCTTATTCTATTCCCACCCACAC
8049	HUVEC cDNA	Hs.334703	W29012	1308969	Homo sapiens, clone IMAGE:3875338, mRNA, partial cds /cds=(0,930)	1	GGGAGCCATCCCTCTCTACCAAGGT GGCAATGATGGAGGGAACCTGCATG
8050	HUVEC cDNA	Hs.287820	X02761	31396	mRNA for fibronectin (FN precursor) /cds=(0,6987)	1	TGGCCCGCAACTACTGTAGGAACAAG CATGATCTTGTTACTGTGATATTTT
8051	HUVEC cDNA	Hs.14376	X04098	28338	actin, gamma 1 (ACTG1), mRNA /cds=(74,1201)	1	GGTTTTCTACTGTTATGTGAGAACATT AGGCCCCAGCAACACGTCATTGT
8052	HUVEC cDNA	Hs.290070	X04412	35447	gelsolin (amyloidosis, Finnish type) (GSN), mRNA /cds=(14,2362)	1	AGCCCTGCAAAAATTCAGAGTCCTTG CAAATTTGCTCAAAATGTTTCAGCA
8053	HUVEC cDNA	Hs.79086	X06323	34753	mitochondrial ribosomal protein L3 (MRPL3), mRNA /cds=(76,1122)	1	TGGGGACTATAGTGAACCTATTTGG GTAAAGAAACCATTTGCTAAAATG
8054	HUVEC cDNA	Hs.287797	X07979	31441	mRNA for FLJ00043 protein, partial cds /cds=(0,4248)	1	ACCACTGTATGTTTACTTCTCACCATT TGGATTGCCATTTGTTTCAGCA
8055	HUVEC cDNA	Hs.87409	X14787	37464	thrombospondin 1 (THBS1), mRNA /cds=(111,3623)	1	TTGACCTCCCATTTTTACTATTGGCA ATACCTTTTCTAGGAATGTGCT
8056	HUVEC cDNA	Hs.82202	X53777	34198	ribosomal protein L17 (RPL17), mRNA /cds=(286,840)	1	GAGGAGGTGGCCAGAGAAAGAAAGA TATCCAGAGAACTGAAGAAACA
8057	HUVEC cDNA	Hs.233936	X54304	34755	myosin, light polypeptide, regulatory, non-sarcomeric (20kD) (MLCB), mRNA /cds=(114,629)	1	AACCTACCAGCCCTTCTCCCCAATA ACTGTGGGTCTATACAGAGTCAAT
8058	HUVEC cDNA	Hs.74405	X57347	32463	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide (YWHAQ), mRNA /cds=(100,837)	1	AGAGAGTTGGACCACTATTGTGTGTT GCTAATCATTGACTGTAGTCCCAA
8059	HUVEC cDNA	Hs.77813	X59960	402620	sphingomyelin phosphodiesterase 1, acid lysosomal (acid sphingomyelinase) (SMPD1), mRNA /cds=(0,1889)	1	CCCTGTACTGCTGCTGCGACCTGATG CTGCCAGTCTGTTAAATAAAGAT
8060	HUVEC cDNA	Hs.172690	X62535	30822	diacylglycerol kinase, alpha (80kD) (DGKA), mRNA /cds=(103,2310)	1	ACACACATACACACACCCCAAAACAC ATACATTGAAAGTGCTCATCTGA
8061	HUVEC cDNA	Hs.272822	X63527	36127	RuvB (E coli homolog)-like 1 (RUVBL1), mRNA /cds=(76,1446)	1	ACCTCCCACTTTGTCTGTACATACTG GCCTCTGTGATTACATAGATCAGT
8062	HUVEC cDNA	Hs.119529	X67698	37476	epididymal secretory protein (19.5kD) (HE1), mRNA /cds=(10,465)	1	AACAACATTAACCTGTGGCCTCTTTCT ACACCTGGAAATTTACTCTTGAA
8063	HUVEC cDNA	Hs.211579	X68264	433891	MUC18 gene exons 1&2 /cds=(26,1966)	1	TCTCTGCTCAATCTCTGCTTGGCTCC AAGGACCTGGGATCTCCTGGTACG
8064	HUVEC cDNA	Hs.75061	X70326	38434	macrophage myristoylated alanine-rich C kinase substrate (MACMARCKS), mRNA /cds=(13,600)	1	TGTCTTACTCAAGTTCAAACCTCCAG CCTGTGAATCAACTGTGTCTCTTT
8065	HUVEC cDNA	Hs.31314	X72841	297903	retinoblastoma-binding protein 7 (RBBP7), mRNA /cds=(287,1564)	1	AACTTTTACACTTTTTCTTCCAACAC TTCTTGATTGGCTTGCAGAAAT
8066	HUVEC cDNA	Hs.79088	X78669	469884	reticulocalbin 2, EF-hand calcium binding domain (RCN2), mRNA /cds=(66,1019)	1	TGGTAGTGGAAATTTGACATTGTCCA AACCTTTTTCTTTTTGAGTGATT
8067	HUVEC cDNA	Hs.7957	X79448	2326523	adenosine deaminase, RNA-specific (ADAR), transcript variant ADAR-a, mRNA /cds=(187,3867)	1	GAGTGAGGAAGACCCCCAAGCATAG ACTCGGGTACTGTGATGATGGCTGC
8068	HUVEC cDNA	Hs.76206	X79981	599833	cadherin 5, type 2, VE-cadherin (vascular epithelium) (CDH5), mRNA /cds=(120,2474)	1	TGGCAAAGCCCCCTCACACTGCAAGG GATTGTAGATAACACTGACTTGTTT
8069	HUVEC cDNA	Hs.172182	Y00345	35569	poly(A)-binding protein, cytoplasmic 1 (PABPC1), mRNA /cds=(502,2403)	1	GGAAAGGAAACTTTGAACCTTATGTA CCGAGCAAATGCCAGGTCTAGCAA
8070	HUVEC cDNA	Hs.180414	Y00371	32466	hsc70 gene for 71 kd heat shock cognate protein	1	AGTTAAGATTATTGAGAAGGTCGGGG ATTGGAGCTAAGCTGCCACCTGGT
8071	HUVEC cDNA	Hs.75216	Y00815	34266	protein tyrosine phosphatase, receptor type, F (PTPRF), mRNA /cds=(370,6063)	1	TTACCTTGTTGGATGCTAGTGCTGTAG AGTTCACTGTTGTACACAGTCTGT
8072	HUVEC cDNA	Hs.65114	Y07604	1945761	keratin 18 (KRT18), mRNA /cds=(51,1343)	1	GGGGTCTTCACATTATCATAACCTCT CCTCTAAAGGGGAGGCATTAATAAT
8073	HUVEC cDNA	Hs.113503	Y08890	2253155	Homo sapiens mRNA for Ran_GTP binding protein 5 (RanBP5/Importin5) gene /cds=(236,3529)	1	TTTCTTGTGCAATTGACACTTAAGC ATCGAGTTTTTACCATCTTCCACT
8074	HUVEC cDNA	Hs.44499	Y09703	4581462	pinin, desmosome associated protein (PNN), mRNA /cds=(30,2261)	1	ACATGTGCAATAAATGTGGCTTAGA CTTGTGTGACTGCTTAAGACTAAA
8075	HUVEC cDNA	Hs.8867	Y11307	2791897	cysteine-rich, angiogenic inducer, 61 (CYR61), mRNA /cds=(80,1225)	1	AAATGTAGCTTTTGGGGAGGGAGGG GAAATGTAATACTGGAATAATTTGT

Table 8

8076	HUVEC cDNA	Hs.90061	Y12711	6759555	progesterone receptor membrane component 1 (PGRMC1), mRNA /cds=(78,665)	1	ACCCACTGCAAAAGTAGTAGTCAAGTGTCTAGGTCCTTTGATATTGCTCTT
8077	HUVEC cDNA	Hs.101033	Y14391	6562622	Pseudoautosomal GTP-binding protein-like (PGPL), mRNA /cds=(329,1540)	1	GCCTGCTGTGAAGTCTTTCCCTCGGAATGTTTCCGTAAACAGGACATTA
8078	HUVEC cDNA	Hs.24322	Y15286	2584788	ATPase, H ⁺ transporting, lysosomal (vacuolar proton pump) 9kD (ATP6H), mRNA /cds=(62,307)	1	GAAGAGCCATCTCAACAGAATCGCACCAAACATACTTTCAGGATGAATT
8079	HUVEC cDNA	Hs.291904	Z31696	479156	accessory proteins BAP31/BAP29 (DXS1357E), mRNA /cds=(136,876)	1	AGGAGGGTGGGTGGAACAGGTGGAC
8080	HUVEC cDNA	Hs.180877	Z48950	761715	clone PF781 unknown mRNA /cds=(113,523)	1	TGGAGTTTCTCTTGGGGCAATAAA
8081	HUVEC cDNA	Hs.289101	Z49835	860985	glucose regulated protein, 58kD (GRP58), mRNA /cds=(0,1517)	1	TGCTTGATTAAGATGCCATAATAGTGTCTGATTTGTCAGTGTGGGCTAAGA
8082	HUVEC cDNA	Hs.10340	AK000452	7020548	hypothetical protein FLJ20445 (FLJ20445), mRNA /cds=(334,1170)	1	TTGGGGGAAATGTTGTGGGGGTGGGGTTGAGTTGGGGGTATTTTCTAATT
8083	HUVEC cDNA	Hs.194676	AK001313	7022490	tumor necrosis factor receptor superfamily, member 6b, decoy (TNFRSF6B), transcript variant 2, mRNA /cds=(827,4486)	1	AGCATGGTAAACCTGGGTTTGTCTCATATTTCTCCAGACAGAAATGCAA
8084	HUVEC cDNA	Hs.808	AK001364	7022577	heterogeneous nuclear ribonucleoprotein F (HNRPF), mRNA /cds=(323,1570)	1	GGTCTCTTTGACTAATCACCAAAAAGCAACCACTAGCCAGTTTTATTT
8085	HUVEC cDNA	Hs.15978	AK002211	7023952	cDNA FLJ11349 fis, clone PLACE4000650, weakly similar to TUBERIN /cds=UNKNOWN	1	GCCCTTGATGCTGGAGTCCATCTGTGATAGCTGGAGAACTTTAGTTTC
8086	HUVEC cDNA	Hs.29692	AK021498	10432693	cDNA FLJ11436 fis, clone HEMBA1001213 /cds=UNKNOWN	1	GCCGATTCGAAGCGAGGGATTTAATCTTACATTTTTGCCCATTTGGCTC
8087	HUVEC cDNA	Hs.109672	AK023900	10435975	Homo sapiens, Similar to sialyltransferase 7 ((alpha-N-acetylneuraminy) 2,3-betagalactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase) F, clone MGC:14252 IMAGE:4128833, mRNA, complete cds /cds=(128,1129)	1	TTCCCTGGACAGTTTGATGTGCTTATGGTTGAGATTATAATCTGCTTGT
8088	HUVEC cDNA	Hs.25635	AK024039	10436304	cDNA FLJ13977 fis, clone Y79AA1001603, weakly similar to POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE (EC 2.4.1.41) /cds=(418,1791)	1	GGCGGTGACTGCCCCAGACTTGGTTTGTAATGATTTGTACAGGAATAAA
8089	HUVEC cDNA	Hs.288967	AK024167	10436481	cDNA FLJ14105 fis, clone MAMMA1001202 /cds=UNKNOWN	1	TGACCATTGGAGGGGCGGGGCCCTCTGAGAAGAACCCTCTTAGACAATGG
8090	HUVEC cDNA	Hs.25001	AK024230	10436557	cDNA FLJ14168 fis, clone NT2RP2001440, highly similar to mRNA for 14-3-3gamma /cds=UNKNOWN	1	CAGTCCTCACACCAGCCAAGGTCACAGGCAAGAGCAAGAAGAGAACTGA
8091	HUVEC cDNA	Hs.6101	AK025006	10437439	hypothetical protein MGC3178 (MGC3178), mRNA /cds=(81,1055)	1	CCTCAGTGATGGAATATCATGAATGTGAGTCATTATGTAGCTGTCTGATACA
8092	HUVEC cDNA	Hs.322680	AK025200	10437664	cDNA: FLJ21547 fis, clone COL06206 /cds=UNKNOWN	1	ACACACAACCTCAGCTTTGCATCACAGTCTTGATTCCAAGAAAATCAA
8093	HUVEC cDNA	Hs.288061	AK025375	10437878	actin, beta (ACTB), mRNA /cds=(73,1200)	1	GGAATTTTCGACCAGGAGGACCCACCACGTCCTCGCTTCGACATCTTGAAC
8094	HUVEC cDNA	Hs.288869	AK025842	10438480	nuclear receptor subfamily 2, group F, member 2 (NR2F2), mRNA /cds=(342,1586)	1	GGAGGAGCCAGGGCTTACCTGTACACTGACTTGAGACCAGTTGAATAAA
8095	HUVEC cDNA	Hs.251653	AK026594	10439481	tubulin, beta, 2 (TUBB2), mRNA /cds=(0,1337)	1	CAGAGAAAGAAAAGGCAAAAGACTGTGTTGTTTGCTTAATTTCTTCTGT
8096	HUVEC cDNA	Hs.334842	AK026632	10439528	tubulin, alpha, ubiquitous (K-ALPHA-1), mRNA /cds=(67,1422)	1	GAAAGCAGGGAAGCAGTGTGAAGTCTTTATTCACTCCAGCCTGCTCTGT
8097	HUVEC cDNA	Hs.288036	AK026650	10439548	tRNA isopentenylpyrophosphate transferase (IPT), mRNA /cds=(60,1040)	1	TGGTTAGATTGTTTCACTTGGTGATCATGTCTTTCCATGTGTACCTGT
8098	HUVEC cDNA	Hs.324406	AK026741	10439662	ribosomal protein L41 (RPL41), mRNA /cds=(83,160)	1	TGCATCGTAAACCTTCAGAAGGAAA
8099	HUVEC cDNA	Hs.274368	AK026775	10439706	MSTP032 protein (MSTP032), mRNA /cds=(68,319)	1	GGAGAATGTTTGTGGACCACTTT
8100	HUVEC cDNA	Hs.289071	AK027187	10440255	cDNA: FLJ22245 fis, clone HRC02612 /cds=UNKNOWN	1	TGGACCTGTGACATTCTGGACTATTTCTGTGTTTATTTGTGGCCGAGTGT
8101	HUVEC cDNA	Hs.334788	BG385658	13278634	hypothetical protein FLJ14639 (FLJ14639), mRNA /cds=(273,689)	1	TGCAACTAGCAACTCATCTTCGGAAGACACAGCCAGGAGATGAAGTAGA
8102	HUVEC cDNA	NA	NC_002090	9507429	many cloning vectors, kanamycin resistance, gene	1	GACTTTCCTCTCTGCGAGCTTCTACTCTAAGTCTGAATCCAGTCAGAAA
8103	HUVEC cDNA	NA	U07360	476289	Human DXS1178 locus dinucleotide repeat polymorphism sequence	1	GTTTCTCTTTGGTTTTCAGATTTCCTTGAACGGTGACTGACCCCTCT
8104	HUVEC cDNA	Hs.230165	AA449779	2163529	zx09e02.s1 cDNA, 3' end /clone=IMAGE:785978 /clone_end=3'	1	TTAGAACGGTGACTGACCCCTCTCTGAGCAATAACTAGACATAACCCCTT
						1	GGGGCCTCTAAACGGGTCTTGAGGTGCCCATTTACATTGCTCATTACTCA
						1	TGCAATTTCTCTCTTGTCTAACCT
						1	ACCCACCATTTGGTAAATATTCAGGG
						1	GAACTTGGTTAAAGTTTATGCT

Table 8

8105	HUVEC cDNA	NA	AI000459	3191013	ot07c08.s1 NCL_CGAP_GC3 cDNA clone IMAGE:1614158 3' similar to gb:Y00361 60S RIBOSOMAL PROTEIN (HUM	1	GTCAAATAAGGTTGTTCTTTCTTGAA GGACAGCACCCATGCCACAGCAC
8106	HUVEC cDNA	Hs.172922	AI016204	3230540	ot83f03.s1 cDNA, 3' end /clone=IMAGE:1623389 /clone_end=3'	1	CTGGAACCATCACATGGTTGAGTC AAGGATGAAAGTCAAACTACCT
8107	HUVEC cDNA	Hs.96457	AI081571	3418363	ox59h10.s1 cDNA, 3' end /clone=IMAGE:1660675 /clone_end=3'	1	ATCCATCCAATAAACACAGCAACACC CTATGCTACTGACCAAGCAAAGCT
8108	HUVEC cDNA	NA	AI082318	3419110	ox72c08.x1 Soares_NhHMPu_S1 cDNA clone IMAGE:1661870 3' similar to gb:X63527 60S RIBOSOMAL PROTEIN	1	TAGTTAGAGTCCAAGACATGGTTCTT CCCCCTTTGTCTGTACATCTGGC
8109	HUVEC cDNA	Hs.145222	AI187426	3738064	qf31d08.x1 cDNA, 3' end /clone=IMAGE:1751631 /clone_end=3'	1	CAGCCTGCCTGCTTGCCATTTTCTT CCCCTTCCATTTTCTAACCTCAG
8110	HUVEC cDNA	Hs.273194	AI285483	3923716	ty56b02.x1 cDNA, 3' end /clone=IMAGE:2283051 /clone_end=3'	1	ACTTCTCCCCCTCCCCCTAGCATTA CTTATATGATATGTTCCATACCC
8111	HUVEC cDNA	Hs.238797	AI307808	4002412	602081661F1 cDNA, 5' end /clone=IMAGE:4245999 /clone_end=5'	1	AAGGAATTTGTTTTCCCTATCCTAACT CAGTAACAGAGGGTTTACTCCGA
8112	HUVEC cDNA	Hs.135872	AW028193	5886949	wv61h08.x1 cDNA, 3' end /clone=IMAGE:2534079 /clone_end=3'	1	TTTGCATCCCCGAGTTTTGTATCCAA GAAATCAAAGGGGGCCAAATTTGT
8113	HUVEC cDNA	Hs.244816	AW078847	6033999	xb18g07.x1 cDNA, 3' end /clone=IMAGE:2576700 /clone_end=3'	1	AAACAGGAAGGGGGTTTGGGCCCTT TGATCAACTGGAACCTTGGATCAAG
8114	HUVEC cDNA	Hs.249863	AW162315	6301348	au66d07.x1 cDNA, 3' end /clone=IMAGE:2781229 /clone_end=3'	1	AAAAACGGTTTATGGGGGTAGGGAAA CAGGCCGAAAAGAACGTGAGAGAA
8115	HUVEC cDNA	Hs.329930	AW170757	6402282	xj24e07.x1 cDNA, 3' end /clone=IMAGE:2658180 /clone_end=3'	1	GGGGACTCAGGCCCCCGCTGGGGGT CCCACATAGGGTTTTATCCAAAAA
8116	HUVEC cDNA	Hs.23349	AW237511	6569900	nab70e03.x1 cDNA, 3' end /clone=IMAGE:3273292 /clone_end=3'	1	TGTTGTTGGATACGTACTTAACTGGT ATGCATCCCATGTCTTTGGGTACT
8117	HUVEC cDNA	NA	BE672733	10033274	7b75g07.x1 NCL_CGAP_Lu24 cDNA clone IMAGE:3234108 3' similar to TR:O99231 O99231 CYTOCHROME OXIDASE	1	TGAGAGCACACCATAAATTCACAGCA GGAATAAACGAAGACACACGAGCA
8118	HUVEC cDNA	Hs.288443	BF110312	10940002	7n36d08.x1 cDNA, 3' end /clone=IMAGE:3566654 /clone_end=3'	1	ACCAGGGCTTAAACCTCAATTTATG TTCATGACAGTGGGGATTTTCTT
8119	HUVEC cDNA	Hs.111301	J03210	180670	matrix metalloproteinase 2 (gelatinase A, 72kD gelatinase, 72kD type IV collagenase) (MMP2), mRNA /cds=(289,2271)	1	AGCCATAGAAGGTGTCAGGTATTGC ACTGCCAATCTTTGTCGGTTTTG
8120	HUVEC cDNA	Hs.82085	M14083	189566	serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1 (SERPINE1), mRNA /cds=(75,1283)	1	CCATGCCCTTGTCATCAATCTTGAAT CCCATAGCTGCTGAATCTGCTGC
8121	HUVEC cDNA	Hs.80120	Y10343	2292903	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 1 (GalNAc-T1) (GALNT1), mRNA /cds=(31,1710)	1	TTAAGATGTGGCAGAAATGTATGCT GAGGTAGCCAGTCAATCCTTATT
8122	HUVEC cDNA	Hs.10340	AK000452	7020548	hypothetical protein FLJ20445 (FLJ20445), mRNA /cds=(334,1170)	1	ATCAGTAGCAAAACAAACCCAGCAAC TTCTGTCCAGCATCTGCTGTAGGG
8123	HUVEC cDNA	Hs.73742	AK001313	7022490	cDNA FLJ10451 fis, clone NT2RP1000959, highly similar to acidic ribosomal phosphoprotein P0 mRNA /cds=UNKNOWN	1	CCCATCTAACTAGCACACGAACCTTC CACGAGGACGCCTGGCGAGAGAAG
8124	HUVEC cDNA	Hs.808	AK001364	7022577	heterogeneous nuclear ribonucleoprotein F (HNRPF), mRNA /cds=(323,1570)	1	GAACTTGGCAGTTGTAGCAGAGGCA GTTGAGGCTTGTGACCATCACCAT
8125	HUVEC cDNA	Hs.15978	AK002211	7023952	cDNA FLJ11349 fis, clone PLACE4000850, weakly similar to TUBERIN /cds=UNKNOWN	1	CGCTCTCTCCTGCACAGCACCACCAC CAACAGTCTGGATGATTTTAGGCA
8126	HUVEC cDNA	Hs.29692	AK021498	10432693	cDNA FLJ11436 fis, clone HEMBA1001213 /cds=UNKNOWN	1	TTTTGGGAAGAAACCCCTATGCATCT GAAATACAATTGGCAATGGAAGCT
8127	HUVEC cDNA	Hs.109672	AK023900	10435975	Homo sapiens, Similar to sialyltransferase 7 ((alpha-N-acetylneuraminyl 2,3-betagalactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase) F, clone MGC:14252 IMAGE:4128833, mRNA, complete cds /cds=(128,1129)	1	CTCTTTGTTGCTACTCATTTCTCTCCG GCGTCTGCTGAGGGGTAGGTGTC

Table 8

8128	HUVEC cDNA	Hs.25635	AK024039	10436304	cDNA FLJ13977 fis, clone Y79AA1001603, weakly similar to POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE (EC 2.4.1.41) /cds=(418,1791)	1	CAACTTCCTCTTGGTTACCCAGAAGA ACAGCAGCACCGTGATCCAGAGCA
8129	HUVEC cDNA	Hs.288967	AK024167	10436481	cDNA FLJ14105 fis, clone MAMMA1001202 /cds=UNKNOWN	1	CTGTACATCTGCATCCAGCAAAGAG CAGCAGGGACAGGAGGGAGGAGAG
8130	HUVEC cDNA	Hs.25001	AK024230	10436557	cDNA FLJ14168 fis, clone NT2RP2001440, highly similar to mRNA for 14-3-3gamma /cds=UNKNOWN	1	CACAGACAGAAGGTTTCGTTCCCTCAT TCGACAGTGGCTCATTCAGCTCTG
8131	HUVEC cDNA	Hs.6101	AK025006	10437439	hypothetical protein MGC3178 (MGC3178), mRNA /cds=(81,1055)	1	TCAAGATTGGCAATTCAGTGTGCCCA TTAAACCACTCAGTAGCTCAGCCT
8132	HUVEC cDNA	Hs.322680	AK025200	10437664	cDNA: FLJ21547 fis, clone COL06206 /cds=UNKNOWN	1	AGTTGTCCTGAGAGTTTTACACTTGT GAGAAAATACTGGCAGCTTTGATT
8133	HUVEC cDNA	Hs.288061	AK025375	10437878	actin, beta (ACTB), mRNA /cds=(73,1200)	1	CACATAGGAATCCTTCTGACCCATGC CCACCATCAGCCCTGGTGCCTGG
8134	HUVEC cDNA	Hs.288869	AK025842	10438480	nuclear receptor subfamily 2, group F, member 2 (NR2F2), mRNA /cds=(342,1586)	1	AACAGGAACCTTTATCTCTTTGTGAG GCGATTTGCATTCTCCACACAGGC
8135	HUVEC cDNA	Hs.251653	AK026594	10439481	tubulin, beta, 2 (TUBB2), mRNA /cds=(0,1337)	1	GTAATTGCCGCCGGTGGCCTCATTGT AGTACACGTTGATGCGTTCAGCT
8136	HUVEC cDNA	Hs.278242	AK026632	10439528	Homo sapiens, clone MGC:3214 IMAGE:3502620, mRNA, complete cds /cds=(2066,3421)	1	ATAGTGGCTAGGGATTAGGAGGCCGA AGGCGACAGGAGCAGACACCGGGTC
8137	HUVEC cDNA	Hs.181165	AK026650	10439548	eukaryotic translation elongation factor 1 alpha 1 (EEF1A1), mRNA /cds=(53,1441)	1	CATTTTGGCTTTTAGGGGTAGTTTTTC ACGACACCTGTGTTCTGGCGGCAA
8138	HUVEC cDNA	Hs.108124	AK026741	10439662	cDNA: FLJ23088 fis, clone LNG07026 /cds=UNKNOWN	1	CCCTGGTTTCAGGAATTAAGGGGACA GACTTGAATAAGAAACAAAACAAA
8139	HUVEC cDNA	Hs.274368	AK026775	10439706	MSTP032 protein (MSTP032), mRNA /cds=(68,319)	1	ACAGTAGAGAATTTGAGTACACAGGG TATGGAGAGTAGGGCACAAAATGT
8140	HUVEC cDNA	Hs.241507	AK027187	10440255	cDNA: FLJ23534 fis, clone LNG06974, highly similar to HUMRPS6A ribosomal protein S6 mRNA /cds=UNKNOWN	1	GAACAGCCTCGTCTTCCCCGAATGC CAGGCAGGATGACGATGAACGTGG
8141	HUVEC cDNA	Hs.334788	BG392671	13286119	hypothetical protein FLJ14639 (FLJ14639), mRNA /cds=(273,689)	1	GACCTCCAGAATTTCTCATCGCTGT CGGTGACCAAGTCCACAGACACTA
8142	HUVEC cDNA	NA	NC_002090	9507429	many cloning vectors, kanamycin resistance, gene	1	TCTTGCCATCCTATGGAAGTGCCTCG GTGAGTTTTCTCCTTCATTACAGA
8143	HUVEC cDNA	NA	U07360	476289	Human DXS1178 locus dinucleotide repeat polymorphism sequence	1	TGTTACTCCTTCAAGCCCTGAATCA CTATAGCCACGACTCTCCAAGTGA

TABLE 9: Cardiac Transplant patient RNA samples and array hybridizations

Patient #	Sample	Rejection Grade	RNA Yield (μ g)	Hybridization #
14-0001	1			
	2	3A	13.6	107739
	3	1A	5.83	107740
14-0002	1			
	2			
	3			
14-0003	1	0	12.8	
	2			
	3			
14-0004	1			
	2			
14-0005	1	3A	1.08	107741
	2	0	11.2	107742
	3			
	4			
14-0006	1	2	2.02	
	2			
	3			

TABLE 10: Differentially expressed probes between samples from patients with high and low grade rejection:

Oligo#	Gene Represented
7401	cDNA clone IMAGE:915561
1796	amphiregulin
4423	partial IGVH3 gene for immunoglobulin heavy chain V region
4429	partial IGVH1 gene for immunoglobulin lambda light chain V region
4430	partial IGVH3 DP29 gene for immunoglobulin heavy chain V region
4767	cDNA clone COL09252, highly similar to CD24
4829	oncostatin M
8091	mRNA for a predicted protein

We claim:

1. A system for detecting gene expression comprising at least two isolated DNA molecules wherein each isolated DNA molecule detects expression of a gene wherein said gene is selected from the group of genes corresponding to the oligonucleotides depicted in SEQ ID NO:1 - SEQ ID NO: 8143.
2. The system of claim 1 wherein said gene is selected from the group of genes corresponding to the oligonucleotides depicted in SEQ ID NO:2476, SEQ ID NO: 2407, SEQ ID NO:2192, SEQ ID NO: 2283, SEQ ID NO:6025, SEQ ID NO: 4481, SEQ ID NO:3761, SEQ ID NO: 3791, SEQ ID NO:4476, SEQ ID NO: 4398, SEQ ID NO:7401, SEQ ID NO: 1796, SEQ ID NO:4423, SEQ ID NO: 4429, SEQ ID NO:4430, SEQ ID NO: 4767, SEQ ID NO:4829, and SEQ ID NO: 8091.
3. The system of claim 1 wherein the DNA molecules are synthetic DNA, genomic DNA, PNA or cDNA.
4. The system of claim 1 wherein the isolated DNA molecules are immobilized on an array.
5. The system of claim 4 wherein the array is selected from the group consisting of a chip array, a plate array, a bead array, a pin array, a membrane array, a solid surface array, a liquid array, an oligonucleotide array, polynucleotide array or a cDNA array, a microtiter plate, a membrane and a chip.
6. A method of detecting gene expression comprising a) isolating RNA and b) hybridizing said RNA to the isolated DNA molecules of claim 1.
7. A method of detecting gene expression comprising a) isolating RNA; b) converting said RNA to nucleic acid derived from the RNA and c) hybridizing said nucleic acid derived from the RNA to the isolated DNA molecules of claim 1.
8. The method of claim 7 wherein said nucleic acid derived from the RNA is cDNA.

9. A method of detecting gene expression comprising a) isolating RNA; b) converting said RNA to cRNA or aRNA and c) hybridizing said cRNA or aRNA to the isolated DNA molecules of claim 1.
10. A candidate library comprising at least two isolated oligonucleotides wherein the oligonucleotides have nucleotide sequences having at least 40-50, 50-60, 70-80, 80-85, 85-90, 90-95 or 95-100% sequence identity to the nucleotide sequences selected from the group consisting of SEQ ID NO:1- SEQ ID NO: 8143.
11. The candidate library of claim 10, wherein the nucleotide sequence comprises deoxyribonucleic acid (DNA) sequence, ribonucleic acid (RNA) sequence, synthetic oligonucleotide sequence, protein nucleic acid (PNA) sequence or genomic DNA sequence.
12. The candidate library of claim 11, wherein the candidate library is immobilized on an array.
13. The candidate library of claim 12, wherein the array is selected from the group consisting of: a chip array, a plate array, a bead array, a pin array, a membrane array, a solid surface array, a liquid array, an oligonucleotide array, polynucleotide array or a cDNA array, a microtiter plate, a membrane and a chip.
14. A diagnostic oligonucleotide for a disease comprising an oligonucleotide wherein the oligonucleotide has a nucleotide sequence selected from the group consisting of SEQ ID NO:1 - SEQ ID NO: 8143 wherein said oligonucleotide detects expression of a gene that is differentially expressed in leukocytes in an individual with at least one disease criterion for at least one leukocyte-related disease compared to the expression of said gene in an individual without the at least one disease criterion, wherein expression of the gene is correlated with the at least one disease criterion.
15. The diagnostic oligonucleotide of claim 14, wherein the nucleotide sequence comprises DNA, cDNA, PNA, genomic DNA, or synthetic oligonucleotides.

16. The diagnostic oligonucleotide of claim 14, wherein the disease criterion comprises data wherein the data is selected from physical examination data, laboratory data, patient historic, diagnostic, prognostic, risk prediction, therapeutic progress, and therapeutic outcome data.
17. The diagnostic oligonucleotide of claim 14, wherein the leukocytes comprise peripheral blood leukocytes or leukocytes derived from a non-blood fluid.
18. The diagnostic oligonucleotide of claim 17, wherein the non-blood fluid is isolated from the colon, sinus, esophagus, small bowel, pancreatic duct, biliary tree, ureter, vagina, cervix uterus, nose, ear, urethra, eye, open wound, abscess, stomach, cerebral spinal fluid, peritoneal fluid, pleural fluid, synovial fluid, bone marrow and pulmonary lavage.
19. The diagnostic oligonucleotide of claim 14, wherein the leukocytes comprise leukocytes derived from urine or a biopsy sample.
20. The diagnostic oligonucleotide of claim 14, wherein the leukocytes are peripheral blood mononuclear cells or T-lymphocytes.
21. The diagnostic oligonucleotide of claim 14, wherein the disease is selected from the group consisting of cardiac allograft rejection, kidney allograft rejection, liver allograft rejection, atherosclerosis, congestive heart failure, systemic lupus erythematosus (SLE), rheumatoid arthritis, osteoarthritis, and cytomegalovirus infection.
22. The diagnostic oligonucleotide of claim 14, wherein the differential expression is one or more of: a relative increase in expression, a relative decrease in expression, presence of expression or absence of expression.
23. A diagnostic agent comprising an oligonucleotide wherein the oligonucleotide has a nucleotide sequence selected from the group consisting of SEQ ID NO:1 - SEQ ID NO: 8143 wherein said oligonucleotide detects expression of a gene that is differentially expressed in leukocytes in an individual over time.

24. The agent of claim 23 wherein said oligonucleotide is selected from the group consisting of SEQ ID NO:2476, SEQ ID NO: 2407, SEQ ID NO:2192, SEQ ID NO:2283, SEQ ID NO:6025, SEQ ID NO:4481, SEQ ID NO:3761, SEQ ID NO:3791, SEQ ID NO:4476, SEQ ID NO:4398, SEQ ID NO:7401, SEQ ID NO:1796, SEQ ID NO:4423, SEQ ID NO:4429, SEQ ID NO:4430, SEQ ID NO:4767, SEQ ID NO:4829, and SEQ ID NO:8091.

25. A diagnostic probe set for a disease comprising at least two probes wherein each probe detects expression of a gene wherein the gene is selected from the group of genes corresponding to the oligonucleotides depicted in SEQ ID NO: 1 - SEQ ID NO:8143 wherein each gene is differentially expressed in leukocytes in an individual with at least one disease criterion for a disease selected from Table 1 as compared to the expression of the gene in leukocytes in an individual without the at least one disease criterion, wherein expression of the gene is correlated with the at least one disease criterion.

26. An isolated nucleic acid wherein said nucleic acid comprises a sequence depicted in SEQ ID NO:8144 - SEQ ID NO:8766.

27. An expression vector containing the nucleic acid of claim 26 in operative association with a regulatory element which controls expression of the nucleic acid in a host cell.

28. A host cell comprising the expression vector of claim 27.

29. The host cell of claim 27, wherein the host cell is a prokaryotic cell or a eukaryotic cell.

30. A kit comprising the system of claim 1.

31. A system for detecting gene expression in leukocytes comprising an isolated DNA molecule wherein said isolated DNA molecule detects expression of a gene wherein said gene is selected from the group of genes corresponding to the oligonucleotides depicted in SEQ ID NO: 1-SEQ ID NO: 8143 and said gene is differentially expressed in said leukocytes in an individual with at least one disease

criterion for a disease selected from Table 1 compared to the expression of said gene in leukocytes in an individual without the at least one disease criterion.

32. The system of claim 31 wherein the DNA molecule is at least 16 nucleotides in length.

33. The system of claim 31 wherein the DNA molecules are synthetic DNA, genomic DNA, PNA or cDNA.

34. The system of claim 31 wherein the isolated DNA molecule is immobilized on an array.

35. The system of claim 34 wherein the array is selected from the group consisting of a chip array, a plate array, a bead array, a pin array, a membrane array, a solid surface array, a liquid array, an oligonucleotide array, polynucleotide array or a cDNA array, a microtiter plate, a membrane and a chip.

36. A method of detecting gene expression comprising a) isolating RNA and b) hybridizing said RNA to the isolated DNA molecule of claim 31.

37. A method of detecting gene expression comprising a) isolating RNA; b) converting said RNA to nucleic acid derived from the RNA and c) hybridizing said nucleic acid derived from said RNA to the isolated DNA molecules of claim 31.

38. The method of claim 37 wherein said nucleic acid derived from the RNA is cDNA.

39. A method of detecting gene expression comprising a) isolating RNA; b) converting said RNA to cRNA or aRNA and c) hybridizing said cRNA or aRNA to the isolated DNA molecule of claim 31.

40. A method of diagnosing a disease comprising obtaining a leukocyte sample from an individual, contacting said leukocyte sample with the gene expression system of claim 31 and comparing the expression of the gene with a molecular signature indicative of the presence or absence of said disease.

41. A method of monitoring progression of a disease comprising: obtaining a leukocyte sample from an individual, contacting said leukocyte sample with the gene expression system of claim 31, and comparing the expression of the gene with a molecular signature indicative of the presence or absence of disease progression.

42. A method of monitoring the rate of progression of a disease comprising: obtaining a leukocyte sample from an individual, contacting said leukocyte sample with the gene expression system of claim 31, and comparing the expression of the gene with a molecular signature indicative of the presence or absence of disease progression.

43. A method of predicting therapeutic outcome comprising: obtaining a leukocyte sample from an individual, contacting said leukocyte sample with the gene expression system of claim 31, and comparing the expression of the gene with a molecular signature indicative of the predicted therapeutic outcome.

44. A method of determining prognosis for a patient comprising obtaining a leukocyte sample from a patient, contacting said leukocyte sample with the gene expression system of claim 31, and comparing the expression of the gene, and comparing the expression of the gene with a molecular signature indicative of the prognosis.

45. A method of predicting disease complications in an individual comprising obtaining a leukocyte sample from an individual, contacting said leukocyte sample with the gene expression system of claim 31, and comparing the expression of the gene with a molecular signature indicative of the presence or absence of disease complications.

46. A method of monitoring response to treatment in an individual, comprising obtaining a leukocyte sample from an individual, contacting said leukocyte sample with the gene expression system of claim 31, and comparing the expression of the gene with a molecular signature indicative of the presence or absence of response to treatment.

47. The method according to claim 46, wherein said method further comprises characterizing the genotype of the individual, and comparing the genotype of the individual with a diagnostic genotype, wherein the diagnostic genotype is correlated with at least one disease criterion.

48. The method according to claim 41, wherein said method further comprises characterizing the genotype of the individual, and comparing the genotype of the individual with a diagnostic genotype, wherein the diagnostic genotype is correlated with at least one disease criterion.

49. The method according to claim 42, wherein said method further comprises characterizing the genotype of the individual, and comparing the genotype of the individual with a diagnostic genotype, wherein the diagnostic genotype is correlated with at least one disease criterion.

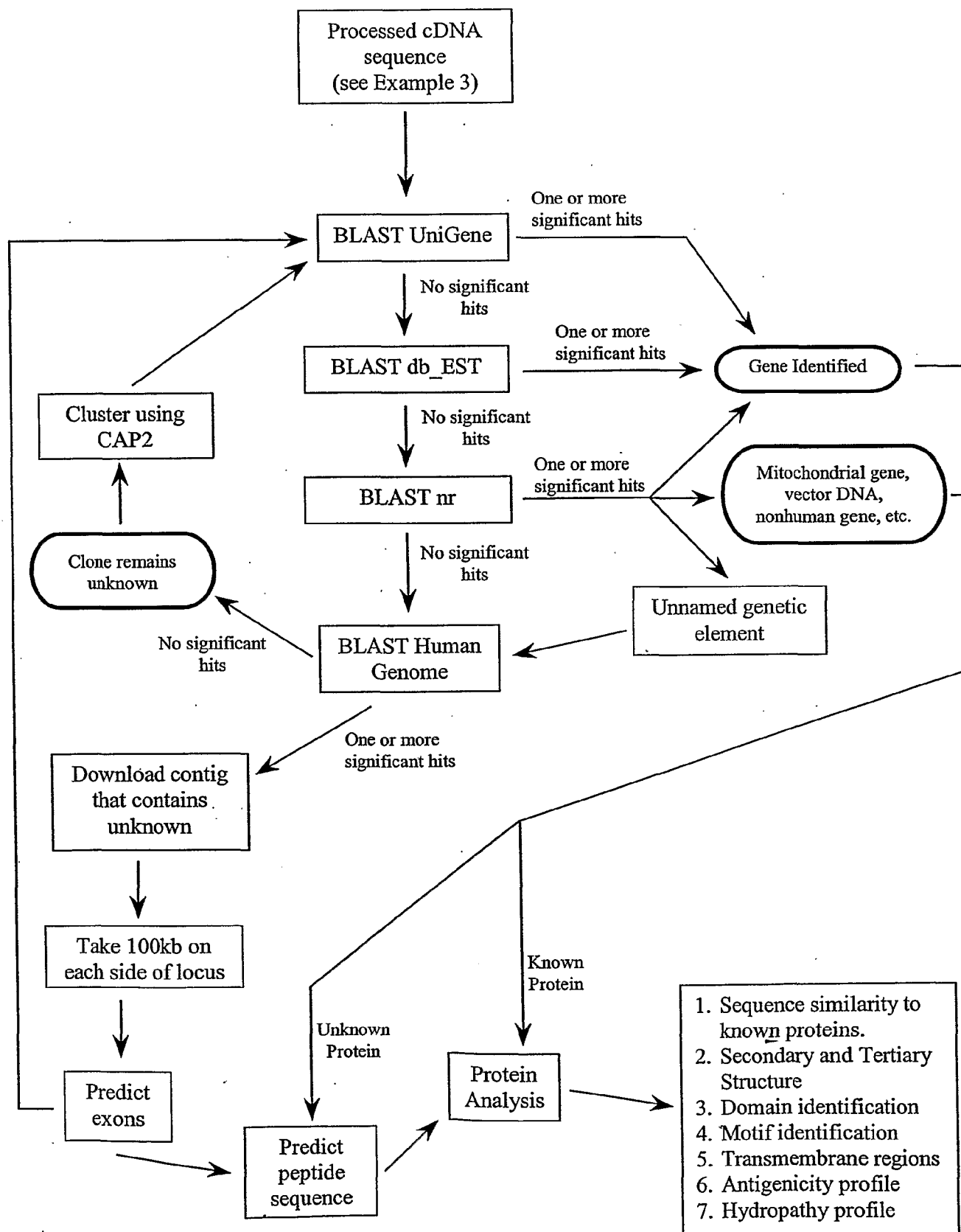
50. The method according to claim 43, wherein said method further comprises characterizing the genotype of the individual, and comparing the genotype of the individual with a diagnostic genotype, wherein the diagnostic genotype is correlated with at least one disease criterion.

51. The method according to claim 44, wherein said method further comprises characterizing the genotype of the individual, and comparing the genotype of the individual with a diagnostic genotype, wherein the diagnostic genotype is correlated with at least one disease criterion.

52. The method of claim 50, wherein the genotype is analyzed by one or more methods selected from the group consisting of Southern analysis, RFLP analysis, PCR, single stranded conformation polymorphism, and SNP analysis.

53. A method of RNA preparation suitable for diagnostic expression profiling comprising: obtaining a leukocyte sample from a subject, adding actinomycin-D to a final concentration of 1 ug/ml, adding cycloheximide to a final concentration of 10 ug/ml, and extracting RNA from the leukocyte sample.

54. The method of claim 52, wherein the actinomycin-D and cycloheximide are present in a sample tube to which the leukocyte sample is added.

Figure 1: Novel Gene Sequence Analysis

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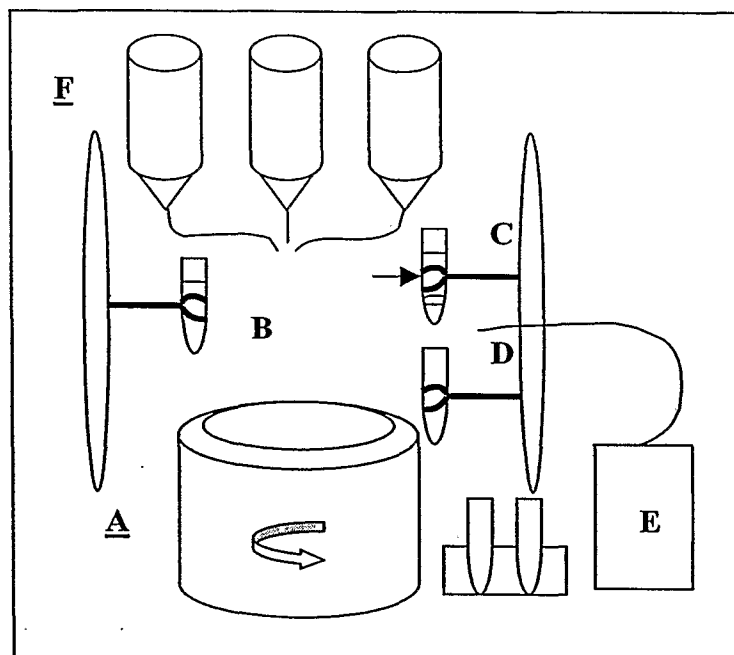
Figure 2 . Automated Mononuclear Cell RNA Isolation Device

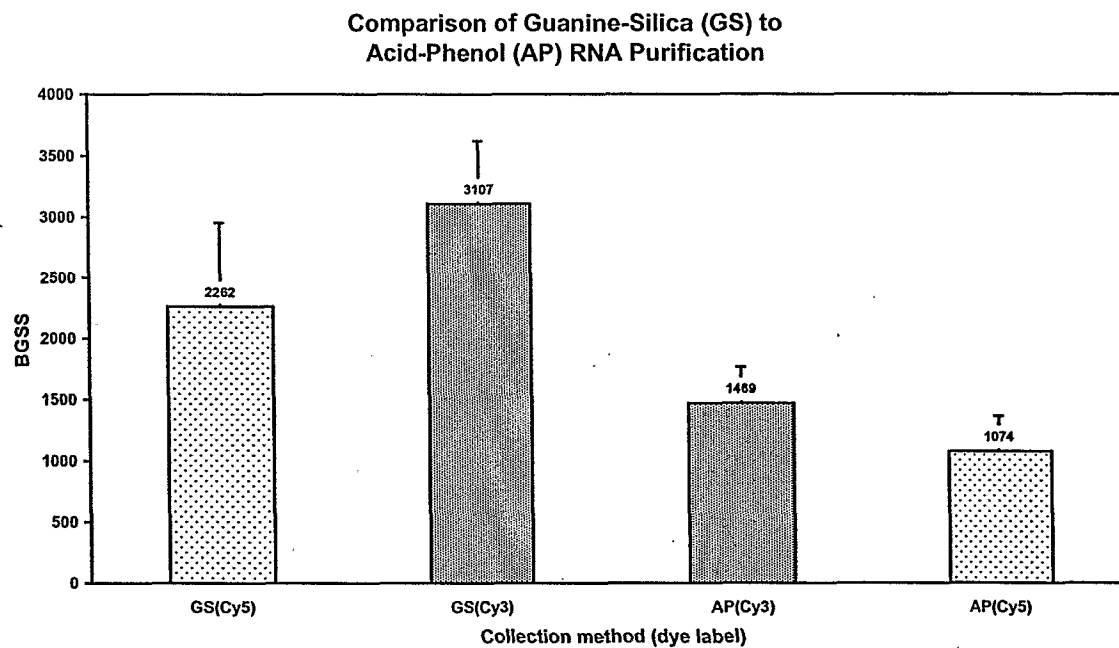
Figure 3: Kits for discovery of, or application of diagnostic gene sets**A. Contents of kit for discovery of diagnostic gene sets**

1. Sterile, endotoxin and RNase free blood collection tubes (>10cc capacity)
2. Alcohol swabs, tourniquet, 18g needle and syringe (>10cc capacity)
3. Erythrocyte lysis buffer
4. Leukocyte lysis buffer
5. Substrates for labeling of RNA (may vary for various expression profiling techniques)
 - For fluorescence cDNA microarray expression profiling:
 - Reverse transcriptase and 10x RT buffer
 - Poly-dT primer
 - DTT
 - Deoxynucleotides 100mM each
 - RNase inhibitor
 - Cy3 and Cy5 labeled deoxynucleotides
6. cDNA microarrays containing candidate gene libraries
7. Cover slips for slides
8. hybridization chambers
9. Software package for identification of diagnostic gene set from data
 - Contains statistical methods.
 - Allows alteration in desired sensitivity and specificity of gene set.
 - Software facilitates access to and data analysis by centrally located database server.
10. Password and account number to access central database server.
11. Kit User Manual

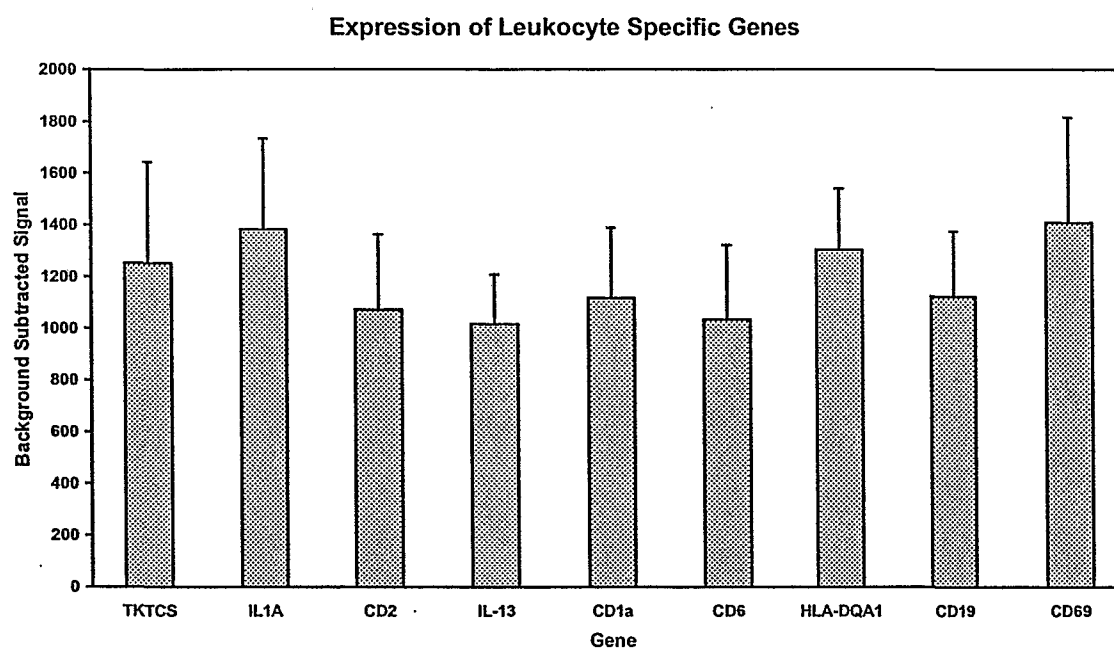
B. Contents of kit for application of diagnostic gene sets

1. Sterile, endotoxin and RNase free blood collection tubes (>10cc capacity)
2. Alcohol swabs, tourniquet, 18g needle and syringe (>10cc capacity)
3. Erythrocyte lysis buffer
4. Leukocyte lysis buffer
5. Substrates for labeling of RNA (may vary for various expression profiling techniques)
 - For fluorescence cDNA microarray expression profiling:
 - Reverse transcriptase and 10x RT buffer
 - Poly-dT primer
 - DTT
 - Deoxynucleotides 100mM each
 - RNase inhibitor
 - Cy3 and Cy5 labeled deoxynucleotides
6. cDNA microarrays containing diagnostic gene sets
7. cover slips for slides
8. hybridization chambers
9. Software package for identification of diagnostic gene set from data
 - Contains statistical methods.
 - Allows alteration in desired sensitivity and specificity of gene set.
 - Software facilitates access to and data analysis by centrally located database server
10. Password and account number to access central database server.
11. Kit User Manual

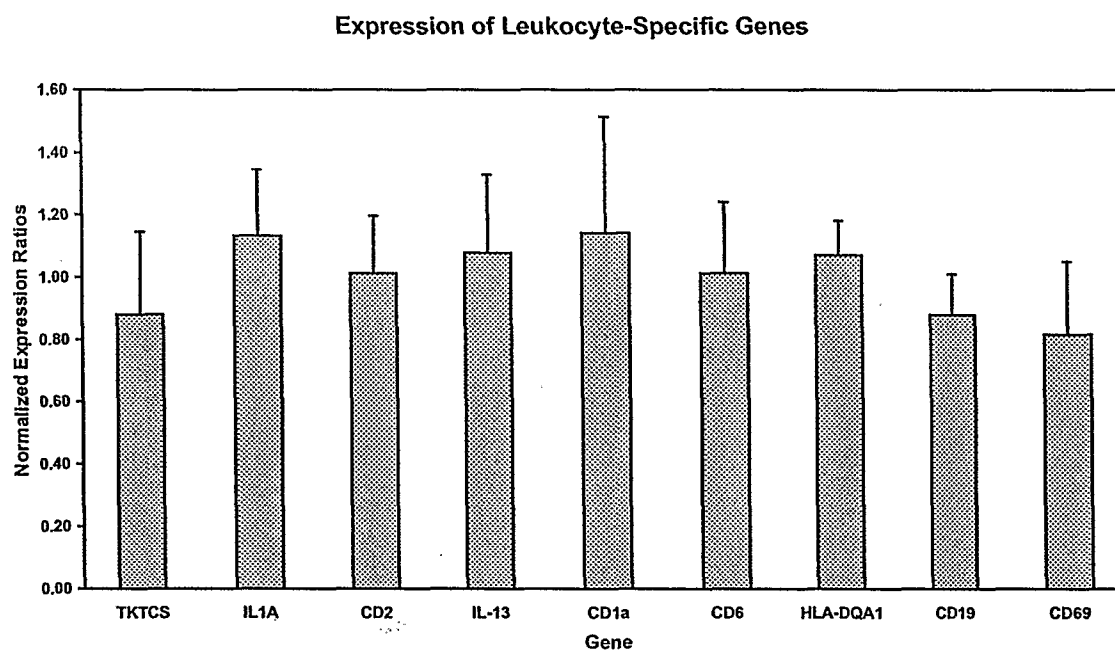
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Figure 4

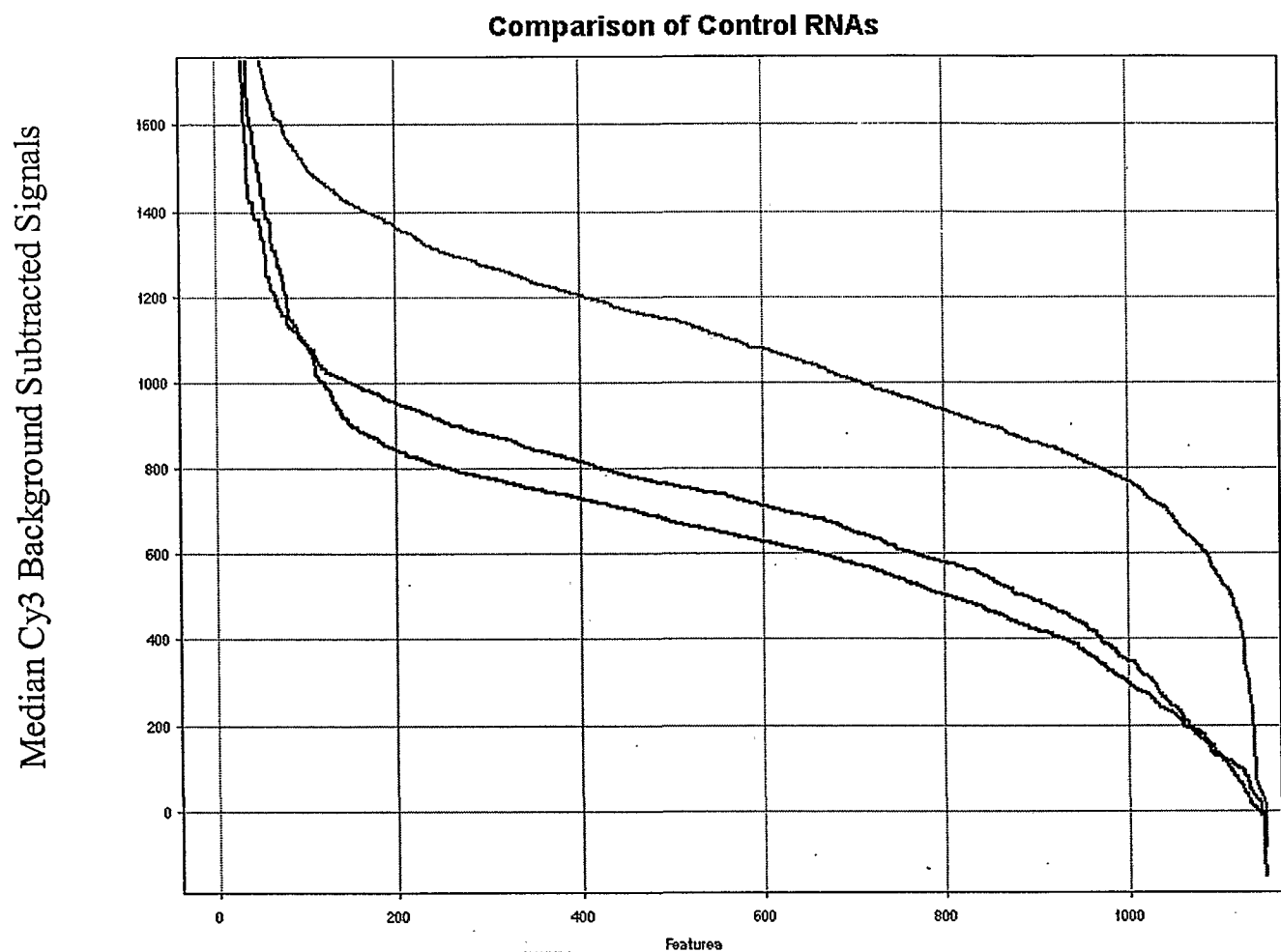
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**Figure 5**

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Figure 6

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All columns use the same scale.

— Mononuclear cells, resting and stimulated

— 10 Buffy Coats, resting

— Mononuclear cells, resting

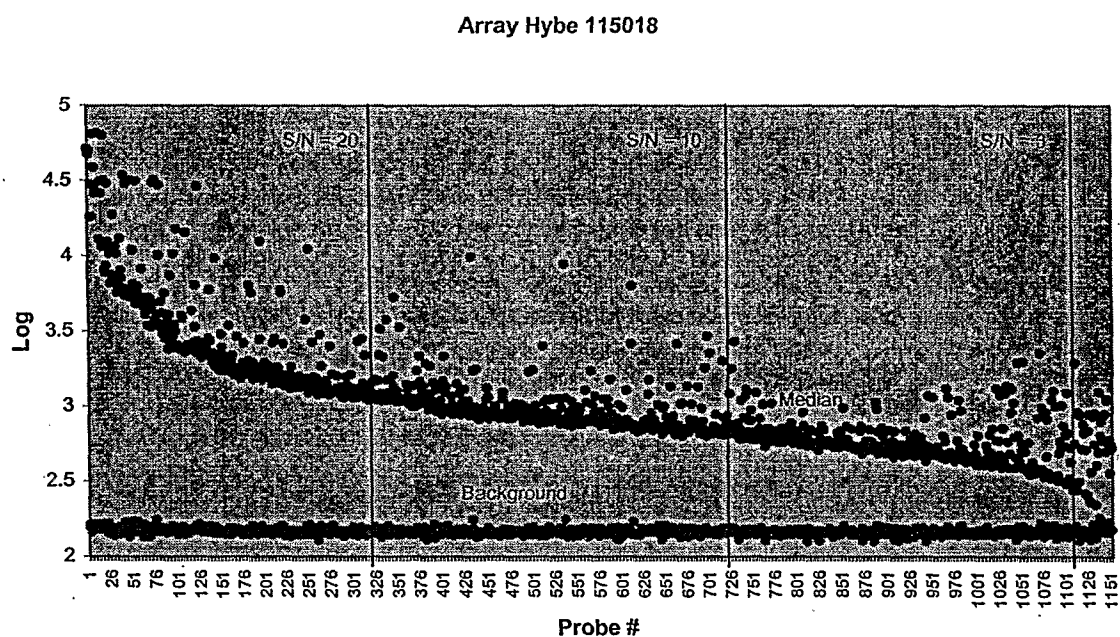
All markers are connected and ordered by Features.

10 μ g of each control RNA was labeled.

Figure 7

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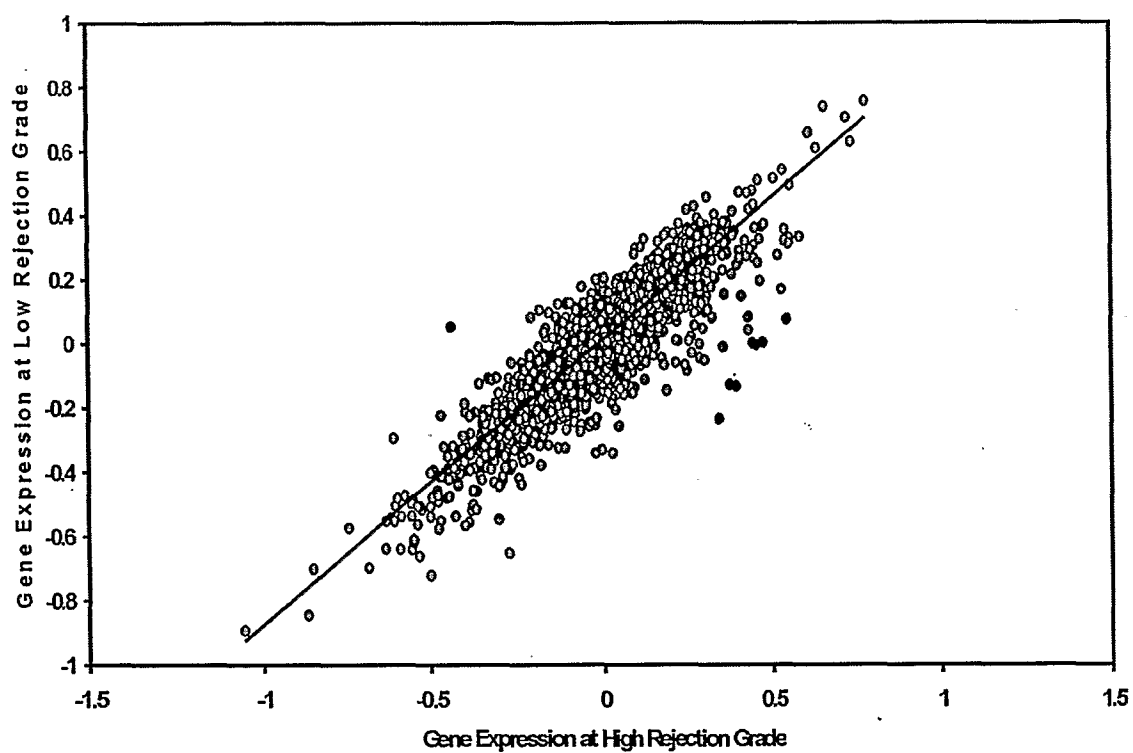
Figure 8: Log expression of each probe using the R50 reference RNA. Probe expression is ordered by Signal to noise, S/N, decreasing from left to right.



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Figure 9

Comparison of High Rejection Grade to Low Rejection Grade



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Figure 10: Differential gene expression between grade 0 and 3A samples:

Probe			Array 107742: Grade 0				Array 107739: Grade 3A				Ratio of SRs	
Acc #	Name	Oligo ID	F633 Median - B532	F532 Median - B532	Cy3/Cy5 Ratio	SR: scaled ratio (q/r)	F633 Median - B532	F532 Median - B532	Cy3/Cy5 Ratio	SR: scaled ratio (q/r)	Grade 0/3A	Grade 3A/0
			B532	B532	Ratio	ratio (q/r)	B532	B532	Ratio	ratio (q/r)		
NM_003202	transcription factor 7 (T-cell specific, HMG-box) (TCF7),	2476	5558	1050	0.188917	0.710038	5827	358	0.061438	0.219793	3.23048873	0.30955069
BE220959	major histocompatibility complex, class II, DQ beta 1 (HL	6025	1810	635	0.350829	1.318579	2150	252	0.117209	0.419312	3.14462275	0.31800317
BE220959	major histocompatibility complex, class II, DQ beta 1 (HL	6025	1402	487	0.347361	1.305545	2121	247	0.116455	0.416612	3.13371968	0.31910959
NM_002922	regulator of G-protein signalling 1 (RGS1), mRNA /cds=	2407	804	95	0.118159	0.444098	1884	75	0.036909	0.142415	3.11833431	0.32068403
NM_001781	CD69 antigen (p60, early T-cell activation antigen) (CD6	2192	4121	405	0.098277	0.369371	7385	254	0.034394	0.123043	3.00195843	0.33311587
NM_002341	lymphotoxin beta (TNF superfamily, member 3) (LTB), tr	2283	13488	3447	0.25556	0.960516	29882	2727	0.091259	0.326476	2.94207495	0.33989617
BE220959	major histocompatibility complex, class II, DQ beta 1 (HL	6025	1539	515	0.334633	1.257707	1942	237	0.122039	0.436591	2.88074502	0.3471323
NM_001781	CD69 antigen (p60, early T-cell activation antigen) (CD6	2192	3850	386	0.10026	0.376823	7705	282	0.0366	0.130934	2.87796556	0.34746767
U05040	far upstream element (FUSE) binding protein 1 (FUBP1	3581	4507	1119	0.24828	0.933154	2390	220	0.09205	0.329306	2.83369583	0.35289603
X14008	nuclear receptor subfamily 4, group A, member 2 (NR4A	3729	1365	167	0.122344	0.459827	9541	434	0.045498	0.162731	2.82568319	0.35389672
NM_003202	transcription factor 7 (T-cell specific, HMG-box) (TCF7),	2476	2716	486	0.17894	0.672539	5310	356	0.067043	0.239845	2.80405488	0.3566264
AF035947	cytokine-inducible inhibitor of signalling type 1b mRNA,	642	9850	5254	0.533401	2.004771	969	197	0.203302	0.727307	2.75642938	0.38278818
NM_001781	CD69 antigen (p60, early T-cell activation antigen) (CD6	2192	3357	356	0.106047	0.398574	5963	246	0.041254	0.147586	2.70062225	0.37028503
Y14737	mRNA for immunoglobulin lambda heavy chain /cds=(65	4905	1390	248	0.178417	0.670576	6561	5767	0.878982	3.144527	0.21325167	4.68929496
Y14737	mRNA for immunoglobulin lambda heavy chain /cds=(65	4905	1398	240	0.171674	0.645231	7159	6112	0.853751	3.054262	0.21125576	4.73359363
BC006402	mRNA for immunoglobulin lambda heavy chain /cds=(65	4481	1826	295	0.161555	0.5072	2973	2498	0.840229	3.005889	0.20200364	4.95040579
X57812	rearranged immunoglobulin lambda light chain mRNA /c	3761	6512	747	0.114711	0.431139	27381	17730	0.647529	2.318513	0.18611538	5.37301111
X57812	rearranged immunoglobulin lambda light chain mRNA /c	3761	6728	755	0.112218	0.421766	28820	18636	0.646634	2.313311	0.18232143	5.48481867
X72475	cDNA: FLJ21321 fis, clone COL02335, highly similar to	3790	8572	1188	0.136591	0.520889	17322	13892	0.801986	2.669078	0.18155283	5.50803366
X72475	cDNA: FLJ21321 fis, clone COL02335, highly similar to	3790	15538	2128	0.136955	0.514739	17637	14245	0.807677	2.889436	0.17814525	5.61339689
X72475	cDNA: FLJ21321 fis, clone COL02335, highly similar to	3791	11974	1558	0.130115	0.489034	24261	18701	0.773299	2.766449	0.17677319	5.65696646
X57812	rearranged immunoglobulin lambda light chain mRNA /c	3761	6953	778	0.111894	0.420551	27621	18560	0.671952	2.403886	0.1749481	5.71604812
X72475	cDNA: FLJ21321 fis, clone COL02335, highly similar to	3791	10805	1411	0.130588	0.49081	17533	14334	0.817544	2.924735	0.16781337	5.95900079
X72475	cDNA: FLJ21321 fis, clone COL02335, highly similar to	3790	11246	1453	0.129201	0.4856	17074	13863	0.811936	2.904673	0.16717875	5.9816215
AF067420	SNC73 protein (SNC73) mRNA, complete cds /cds=(39	4399	2654	243	0.09156	0.344125	37518	21610	0.57599	2.060585	0.16700357	5.98789603
X72475	cDNA: FLJ21321 fis, clone COL02335, highly similar to	3791	10909	1370	0.125584	0.472005	21668	18561	0.856609	3.064489	0.15402406	6.4924922
AF067420	SNC73 protein (SNC73) mRNA, complete cds /cds=(39	4399	1959	181	0.092394	0.34726	30274	19369	0.63979	2.288826	0.15171979	6.59109804
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SEQUENCE LISTING

<110> BIOCARDIA, INC.
Wohlgemuth, Jay
Quertermous, Thomas
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Prentice, James
Phillips, Julie
Woodward, Robert
Ly, Ngoc
Altman, Peter

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<213> Homo sapiens

<400> 8102
ctgagcaata actagcataa ccccttgggg cctctaaacg ggtcttgagg

50

<210> 8103
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8103
tgcccatttc acattgctca ttactcatgc aaatttcttc ttgctaacct

50

<210> 8104
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8104
accaccatt ggtaaaatat tcaggggaac ttggtttaaa agtttatgct

50

<210> 8105
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8105
gtcaaataag gttgttcttt ccttgaagga cagcacccat gccacagcac

50

<210> 8106
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8106
ctggaaaaac atcacatggt tgagtcaagg atgaaaagtc aaaactacct

50

<210> 8107
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8107
atccatccaa taaacacagc aacaccctat gctactgacc aagcaaagct

50

<210> 8108
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8108
tagttagagt ccaagacatg gttcctcccc ctttgtctgt acatcctggc 50

<210> 8109
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8109
cagcctgcct gcttgccatt tttcttcccc ttccattttt ctaacctcag 50

<210> 8110
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8110
acttcctccc cctcccccta gcattactta tatgatatgt ttccataccc 50

<210> 8111
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8111
aaggaatttg ttttcctat cctaactcag taacagaggg tttactccga 50

<210> 8112
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8112
tttgcacccc gagttttgta ttccaagaaa atcaaagggg gccaatattgt 50

<210> 8113
<211> 51
<212> DNA
<213> Homo sapiens

<400> 8113
aaacaggaag ggggtttggg ccctttgate aactggaacc tttggatcaa g 51

<210> 8114
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8114
aaaaacgggtt tatgggggta gggaaacagg cggaaaagaa cgtggagaaa 50

<210> 8115
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8115
ggggactcag gccccgctg ggggtccac atagggtttt tatccaaaaa 50

<210> 8116
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8116
tgttgttga tacgtactta actggtatgc atcccatgtc tttgggtact 50

<210> 8117
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8117
tgagagcaca ccataaatc acagcaggaa taaacgaaga cacacgagca 50

<210> 8118
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8118
accagggtt aaaacctcaa tttatgttca tgacagtggg gatttttctt 50

<210> 8119
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8119
agccatagaa ggtgttcagg tattgactg ccaactctt gtccgttttg 50

<210> 8120
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8120
ccatgccctt gtcacaaac ttgaatccca tagctgcttg aatctgctgc 50

<210> 8121
<211> 50
<212> DNA

<213> Homo sapiens

<400> 8121

ttaagaatgt ggcagaaatg tatgctgagg tagcccagtc aatccttatt 50

<210> 8122

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8122

atcagtagca aaacaaaccc agcaacttct gtccagcatc tgctgtaggg 50

<210> 8123

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8123

cccataaact tagcacacga accttccacg aggacgcctg gcgagagaag 50

<210> 8124

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8124

gaacttggca gttgtagcag aggcagttga ggcttggtga ccatcaccat 50

<210> 8125

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8125

cgctctctcc tgcacagcac caccaccaac agtctggatg attttaggca 50

<210> 8126

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8126

ttttgggaag aaaaccctat gcatctgaaa tacaattggc aatggaagct 50

<210> 8127

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8127

ctctttgttg ctactcattt ctctccggcg tctgctgagg ggtaggtgtc 50

<210> 8128

<211> 50
<212> DNA
<213> Homo sapiens

<400> 8128
caacttcctc ttggttaccc agaagaacag cagcacctg atccagagca 50

<210> 8129
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8129
ctgtacatct gcatcccagc aaagagcagc agggacagga gggaggagag 50

<210> 8130
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8130
cacagacaga aggtttcgtt cctcattcga cagtggctca ttcagctctg 50

<210> 8131
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8131
tcaagattgg caattcactg tgcccattaa accactcagt agtcagcct 50

<210> 8132
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8132
agttgtcctg agagttttac acttgtgaga aaatactggc agctttgatt 50

<210> 8133
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8133
cacataggaa tccttctgac ccatgcccac catcacgccc tgggtgctgg 50

<210> 8134
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8134
aacaggaacc tttatctctt tgtgaggcga tttgcattct ccacacaggc 50

<210> 8135
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8135
gtacttgccg ccggtggcct cattgtagta cacgttgatg cgttccagct 50

<210> 8136
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8136
atagtggcta gggattagga ggcgaaggcg acaggagcag acaccgggtc 50

<210> 8137
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8137
cattttggct tttaggggta gttttcacga cacctgtgtt ctggcggcaa 50

<210> 8138
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8138
ccctggttca ggaattaagg ggacagactt gaataagaaa caaaacaaaa 50

<210> 8139
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8139
acagtagaga atttgagtac acagggtatg gagagtaggg cacaaaatgt 50

<210> 8140
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8140
gaacagcctc gtctttcccc gaatgccagg caggatgacg atgaacgtgg 50

<210> 8141
<211> 50
<212> DNA
<213> Homo sapiens

<400> 8141

gacctccaga atttcctcat cgctgtcggg gaccaagtcc acagacacta 50

<210> 8142
 <211> 50
 <212> DNA
 <213> Homo sapiens

<400> 8142
 tcttgccatc ctatggaact gcctcgggtga gttttctcct tcattacaga 50

<210> 8143
 <211> 50
 <212> DNA
 <213> Homo sapiens

<400> 8143
 tgttactcct tcaagcccct gaatcactat agccacgact ctccaactga 50

<210> 8144
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(290)
 <223> N=A,T,C, or G

<400> 8144
 agtcaaccta ccaaagacca tacctgacac ctaggctctc tcaccaatg gaatagactc 60
 taatggtgat acataccaat aangggaaat ctagtgggtg taaactgttt atgcctcatt 120
 ctatgaaagc tgaaagattg ctgttagctg tatgatgtat aatgctaata gcgatanggg 180
 tacattgtct tctacagact cctacatatg tatgattatc acagtatgat gccagatact 240
 aacattcata ttgaacaaat ggctggcgtg ggtagatgtc aagagaacat 290

<210> 8145
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 8145
 ggcagggtga gaacacaaac gagtgagagc tgactgtagt cgaagatcat acaaggaaag 60
 gtaagaaggc ctgcaagctg tgaattagac ataatacatt attaattata ggatgtaaca 120
 ttatgtatat ggggaatata tatctaaact tatttatcaa tatttaatat tatatatatg 180
 gggatatgtg atgtaaacgc atatatatta tatatatgta ttattaataa cttttgtgtt 240
 atgagactga atatctataa atatatgttt tattaataat tactatatgc tgtgtaagta 300
 tcacgttata ttttgtgtgc tgactaagta agcaacgcta tgtagataca aagagttgtg 360

tgatggagtc cactggtgat acaacg 386

<210> 8146
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8146
 cgagtacaag cttttttttt ttatttttatt tcttggtctg gctatgatga caaactgggt 60
 agtatatgat atatataacg tagagaagag taacatatag acacaaaaaa tatatatgag 120
 tcatgtatta actagaaatg cacataagat aaaatggcct attgaatcat gtttttatta 180
 tagatatatt acaaaatggc attgaaggaa acctacttat ttttcaatat gagaacaaca 240
 gaaggctttt atgtatcacg aaaataacaa tatatctgat ttataatatt ataatttaca 300
 ttacataagc tgagaactac acaataaaaa ctcaccaata ttgaatatta tata 354

<210> 8147
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8147
 atctcgaagg caactcgcat gcacactagc aacatatata aacaatctta tattagactg 60
 taaatggaaa ctgtaaagtg attagcttga atcttttctg cgaaagattt gtaacagaca 120
 atcgggtgaa atcacctcgc gcatgttatg gagagattgt gacgttcagg acaaacgag 180
 taacagactg atcttctgtt tgatactacg accaggactc caggac 226

<210> 8148
 <211> 530
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(530)
 <223> N=A,T,C, or G

<400> 8148
 gacactgagt ctaggaatan gcacatatgg agctaaagac ctatgcttta aatactctaa 60
 atatatagac tacacaaaaa catatgggaa aaatgtactg atgctaagat aatattgttg 120
 atatcatatt gtagaaacta taacttttaa ccaatagttg tgagcataaa tgttacagtg 180
 atattgtgtg taatatatag tacatgtaaa aatgaaacta aatttatata taattgtata 240
 tatgacatca acaatgtaat tgatattctt gctgttatca caacactcga aattaatgaa 300
 tgctacagac atggattaaa aagactangc tctctaaaga gataaagaat attacttaaa 360

gcacatatta ttatgtgtaa tacactatta gaagattaga tctaaactat acaacacana 420
 acgtacttct tttcatcatc ctctgctaca aactattgcc ctctcaaaa tatagacgat 480
 tgctaaaaga gtctgagcga tgatgccatc aatgaacaaa cgttttgagt 530

<210> 8149
 <211> 514
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(514)
 <223> N = A, T, C, or G

<400> 8149
 tgtcttgag taaattttta gttcatggat gtaatgtggt ctacaggaat actgtatttg 60
 taaaaaata agaacattct gcaactgtag aaatgacccc attatatatt ttctgaaaat 120
 gaaaacagtt acatgaaaaa aatgaccaat gaacatgtca tcatttgatg aaaaaccaga 180
 agttattaga tgagagcagc gagtgaatct ttaaaacaga cttgatcacg cacactcaat 240
 aagtaatatc tctccgaaac cggatgtcat tctatatctg ttagaaataa tgtcatcaaa 300
 agaaagtaaa ttagaggata tttttgccaa tagtttatac aaaatatatg aaccaaagag 360
 attggaattt gtaaaaatgt aaaatagtat gaacaatatt tgcactctac catatttgaa 420
 catctnmatg agttcacatt catactaggt tatcaacatt gcgttctttt tgcattcatt 480
 ctttactggt attaaaagtt caaaaccaat ataa 514

<210> 8150
 <211> 170
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(170)
 <223> N = A, T, C or G

<400> 8150
 ccactattat gggatttggt ttagtocatt atggattctg gatattcaan catttacaat 60
 gtagcatatt tgattttctt ttttctttct ttttttggca tcattaacat ttcatttgaa 120
 atgcatattg ttcttgaagt acctcggcgc cgaccacgct aatcactagt 170

<210> 8151
 <211> 162
 <212> DNA

<213> Homo sapiens

<400> 8151

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aggcgacagg gaatggcaag tttctgaagt cggcatagct tagttgttgc atccagcaga      60
gagacagcac agggagcagc ctacgcagga agattacaac agaggaataa cacagaatac      120
aatctgggat ggataatagt gaatggcatc cactagatga tt                          162
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<210> 8152

<211> 498

<212> DNA

<213> Homo sapiens

<400> 8152

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cagtcttttt tttttttttt tttttttttt ttttgggttt ggaaccttta ataaaaataa      60
aaaaggaatg caaaaagaac acaatgttga aaacttaata tgaatgtgaa cctcactaga      120
tgttcaaadc tgggagagtg caaatttttg tcatactatt ttacattttt acaaactcaa      180
atcacttttg ttcatatatt ttctataaac tattggcaaa aaaatcctca aatttacatt      240
cttttggtta cattatttct aacagatata gatttacttc cgggttcgga gagaaagact      300
tattgtgtgt gcgtgaacaa gtctgggtta aagattcact cgctgctttc atctaataac      360
ttctgggttt tcataaaatg gtgacatctt cattggaaat ttttttcatt ttactgggtt      420
cattttcaga aaaattataa gggggggatt ccaaaggtca gaaagatcct atttttttta      480
aaaaaaaaa ttctggta                          498
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<210> 8153

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8153

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actattaagt tctttcacia aataatcatc ttatatcaac acagtaccaa tctaagtgtc      60
cgcaggaggg ttactttaac atctccctcc tgtgtttact ccaatgtttc tccctttagg      120
tatggtctgg gtaaatcggg ttatggatgc atctgtccac accacgctcg cagcatgtca      180
ctctgcgcat taag                          194
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<210> 8154

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8154

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gtgcgtggc tatggacacg taaaggaatt gccacatggg ggacattgat tgcaaattgt      60
tgaggggatg gaaaggatgt tggacgttct ggtgaaaagc tggaagatgg ccctaaattc      120
ttgaagtact ggtgaagctg tcattgtcga tttgggtggg ggatagcttc tgtacgtg      178
```

<210> 8155
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 8155
 caactattat actattctct tctgctttca ttctgatgtg gtctgtaata gcaaaataca 60
 tgacttattt gtgtggatgg caaaacaaaa ggtgtgtgtt ggatggctctg cttatcagtg 120
 gatgatacaa cagtcaagca aaacctcgcg gccctaacc aaatcgatg aatctttgga 180
 acttgaaaga caatctggcc tgtatgaatg ggcaaacagc gaccatcatt cgaaatgaaa 240
 ctggtaggca gtcacatttg acattcatga tcttcactgg ctactcgtcc agactcaaaa 300
 cgctggtgac tgtaaacagt gtcaggtttt aaccaagcgg aattccatta aatatttgcc 360
 ccaatgctct ggaaactggg agagaatctt tgcactgtga tagctgctac actgtgcgcc 420
 tgaacacagc gccattgggtg gtaccccccg 450

<210> 8156
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8156
 tatcatatac ataaaacaga tggctgggga ggaaggaaga caaacaagaa tgactcagct 60
 ggatggacat aactttaatg catgatcaat catcaatctg tctgttatac attagttggg 120
 gagtgggatg tccatacatt aactattgaa tgaaaggtaa gttatttaaat atatttat 178

<210> 8157
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8157
 tttttttttt ttttttttgg ttttgaacct ttaataaaaag taaaaaatga atgcaaaaag 60
 aacacaatgt tgaaaactta atatgaatgt gaacctcact agatgttcaa atctgggaga 120
 gtgcaaattt tgttcactat attttacatt ttttaciaaac tcaaatcact ttggttcata 180
 tattttctat taactattgg caaaaaaatc ctcaaactct cattcc 226

<210> 8158
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 8158
 tactgactat ggaaacatga atatatgtaa gggccattca tgatatatga atgagaagag 60

```

taagctttca tatggaaaaa cacaatcatt caaaaaatga atgacatgct gatgtatagc 120
aacacgcata ataaaatgaa gagtatatca ataacatatc tatgcttaga taagtactac 180
cttctgtgta ttatagaaca ataagtgtgc attgggttga ctttgcaact aacgcattggg 240
tatcatgggt atgcacccat catgatggag tctggattac catcttgctt ttggataaaa 300
cagatctatt tggggcatct acataggatt aatagagaga gaaagaggat atatgattca 360
taaatcatat atgctctgat caaatgcaag catcattaaa aaacatatgc tatctataac 420
tactcatcag attgctgtga tctatacact ctctccacat attaatactg tgaaacttca 480
actatagcac attactctgg atatgcaaag ttagcacggg aggacatgaa 530

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<210> 8159

<211> 578

<212> DNA

<213> Homo sapiens

<400> 8159

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agcatttaac ccaaacaggg gttcttagcc tcagcactat gacattttgg gctgactact 60
tatttgtagt gcgggagctc tcctgtgcat ttaggagataa ttagcagtat ccctgggtggc 120
tacccaatag acgccagtag cccccgaat tgacaacca aactctccag acatcaccaa 180
ctgtcccctg cgaggagaaa tcactcctgg gggagaacca ctgacccaaa tgaattctaa 240
accaatcaaa tgtctgggaa gccctccaag aaaaaaaaaat agaaaaagca cttgaagaat 300
attcccaata ttcccggtca gcagtatcaa ggctgacttg tgttcattgt gagtcattat 360
aaattctata aatcaattat tccccttcgg tcttaaaaaat atatttactc ataaacattt 420
gtgttttgtt gaaaagatgg agtttacaaa gataccattc ttgagtcatt gatttctctg 480
gtcacagaat ggtgtggcat ttggaaacgg gaataaacia aattgctgca tcaatgcact 540
gagtgaagga agagagacag aggatgaagg gtttttaga 578

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<210> 8160

<211> 530

<212> DNA

<213> Homo sapiens

<400> 8160

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ggtgaggtag tatgtgagtg aaataaatgg atggaattag tgatatgaat aattgaagtt 60
tgagaagtag aatggatggg cgtgttgtga ttattagtaa aataagatag aagaatggtg 120
taagaattat atggatggat atgatatgta gggtattatt gtaatttata cttttatgaa 180
ttgtgaataa ggaaatatat tctatataga ttaggagtgta aagaatcagg ttataaaagt 240
gaaataatta aatagaatgc agaaatgaag agaaagggat attgtgtaac atattattgg 300
aagaataatt aaaatattta atatgtgtta taaaagtga gataaaagtg ttttttatg 360

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aacagaattg ttatgaaata ttattttttac attaaattaa aagtgtattg agtgaatatg 420
 ttaaggaata tttattggaa atattagagt taggtacaat tgaagaaatg tgtgaatgaa 480
 gaagaggaag tgattactgg gtgaaattat agtgaattgg aaataattga 530

<210> 8161
 <211> 693
 <212> DNA
 <213> Homo sapiens

<400> 8161
 gcggtggttg tgatcggcta tgtgggtagc ttggtggtgt ggtggcggca gtgaggggct 60
 aggatgggtg gtaggatatc taggactgag acggagactt gacctccacg atgcaacatc 120
 caatgagtat gctatgtgag aaaaatgaga gattaacgag ctaaatgcag tgtgtatgat 180
 gtgtgagaac atcacagatg gatgatcgca caagaggcat ttgcatgata tgatcgcttc 240
 atagatggaa taatcgaact ggtgaatatg tatgagctgt gatgaatggt gctgcagaat 300
 ccatctgttg aaccatgtat atgcaatgtg tgaggaggct agatgaatgg atcatatcat 360
 gatgatgtta acaatgttgg gtgagattgc tatggtgaca aatcatgtgg atgtatacag 420
 gaatatttct ggttgctgcg gttgacaacc atgggggatc agacaagaga agtagtagag 480
 agtgatgttg acatcgatgg gggatacgtt tataaatgat gaagtggatg acgtgtgcat 540
 gtggagcgtat tacgatagtt actaacgagt ttggagcata gtgtgagtat tatatattgt 600
 caagttaata acgtgggtgga tgcattgtta tagttgttta ttgtgtgaaa ttgatatctg 660
 gttataatta tggtcataat ttgtatcctg taa 693

<210> 8162
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8162
 atgatagtgtg tgaaatgatt gattggaggg taagttattg gttgttttta gatttagggt 60
 agaaagagga ggtatgtgga taggagtaaa taatgtgatt ggtttattgg gtgaaatatt 120
 atgttttgtt gtttgatata atggaggatg gtgatttttag tttggataat agaggttata 180
 taaatgcaat ggaa 194

<210> 8163
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 8163
 cagcatttaa tccaaacagg ggttcttagt ctcagcacta tgacattttg ggctgactac 60

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ttattttgtta ggcgaggagct ctctgtgca ttgtaggata attagcagta tccctgggtgg 120
ctaccaata gacgccagta gcaccccgaa ttgacaaccc aaactctcca gacatcacca 180
actgtccctt gcgaggagaa atcactcctg ggggagaacc actgacccaa atgaattcta 240
aaccaatcaa atgtctggga agccctccaa gaaaaaaaaat agaaaagcac ttgaagaata 300
ttcccaatat tcccggtcag cagtatcaag gctgacttgt gttcatgtgg agtcattata 360
aattctataa atcaattatt ccccttcggt cttaaaaata tatttctca taaacatttg 420
aagtttggtg aaaagatgga ggttacaaag ataccattct tgaagc 466

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<210> 8164
<211> 672
<212> DNA
<213> Homo sapiens

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<400> 8164
cccttaagat tctggacctc ttagaaggaa ggctcatcta tacacttcaa ggacatacgg 60
gacctgtctt tactgtttca ttttcaaaag gtggagagct atttgcatca ggaggtgcag 120
acacacaggt cttattatgg aggactaact ttgatgaatt gcattgtaaa ggtcttacca 180
aaagaaatct caaaagatta ctttttgatt caccaccaca tcttcttgat atctacccaa 240
gaacaccaca tcccatgag gaaaaagttg agactgtaga aattaatcca aagcttgagg 300
taatcgattt gcagatctct actccccctg ttatggatat ctttcttttt gattctacca 360
caacaacaga aaccagtggg aggactctgc cagacaaggg tgaagaggcc tgtggatatt 420
tcttgaaccc ttccttaatg tcaccagaat gtttgccaac aaccacgaaa aagaaaacag 480
aagacatgag tgacctcccc tgtgaaagtc aaaggagcat acctctcgct gtgactgatg 540
ctttagagca tattatggaa caactcaatg ttttgacaca gactgtttca atcttgagc 600
agcgactgac tttgacagaa gataagctga aagactgcct tgaaaatcag caaaagcttt 660
tagtgctgtc ca 672

```

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<210> 8165
<211> 514
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(514)
<223> N = A, T, C, or G

```

```

<400> 8165
ggcttgggct gctggggcag gggcaactgg aggcaagcgg aaaacgacga ttagttcttt 60

```

```

atgtatgata ataaattaat attaatacat atanatatat agatattatg taaatgttac      120
tatgataatg gttatcgttt atacggtatc gtaatatcat aagatTTTTa tacaaaatca      180
aaatacgaag actactaaca tgaggatgga gaaggaaaaa agtttctgaa tcttgaccgt      240
ggctgaggcg gagacgattc ttggacttgg agctgtatct gtatgtaaat gaacatagag      300
gaatacgact acagaaccta ataccaatac caggacaatg gctctgcatt taaatgatag      360
tgactgtgac tgaatacagt ttaagttaat tgttgtaggt gattgtgatt atattaatgc      420
gatagcgtat attgagatga agatctaagt gattgtgaac acttgacctt gatgtccctg      480
gacacagtgc attagcgtca tttctaggtc acgc                                  514

```

```

<210> 8166
<211> 402
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(402)
<223> N= A, C, G, or T

```

```

<400> 8166
ggtactgtga aaccaccaac ttcagttgcc tcagactcca gtaatacaac ggtcaccacc      60
atgaaaccta cagcggcatc taatacaaca acaccaggga tggctctaac aaatatgact      120
tctaccacct taaagtctac acccaaaaca acaagtgttt cacagaacac atctcagata      180
tcaacatcca caatgaccgt aaccacaaat agttcagtga catctgctgc ttcacagta      240
acaatcacia caactatgca ttctgaagca aagaaaggat caaaatttga tactgngagc      300
tttgttggtg gtattgtatt aacgctggga gttttatcta ttctttacat tggatgcaaa      360
aagtattact cagaagaagc attcgtatcg aaccataaat ga                                  402

```

```

<210> 8167
<211> 322
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(322)
<223> N= A, T, C, or G

```

```

<400> 8167
ttctccctta aggacttttg caagaataac aagttcattg gaatttgact ttctgacata      60
gagcagacag ccttgccctg tcatgccagg cttttcatgt gaagttacca tttattagct      120
gcttctgtct ctccnaggga agatttccct tttataagcc tgggccaggg ggatgatagt      180

```

aagattcccc atgtgatacc agagttggaa taagctgtag tgagattang gccaggactg 240
 tcccatttttg attcttgaat ggtttctggtt acaacttggtc atgggggaaa aagtaacact 300
 tattttttttt ttcctccctt aa 322

<210> 8168
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8168
 tactatgata tgtgaatgga aaagtaggca gctgatgact caaattaaga attttaatta 60
 cattgactcc aagtctgata ttctgatgag tgtcatatag cacttaatgt ctgcttcata 120
 taatactacc acttattaga tatatataga ctcaagagca ttaacaaaag tagagaaaga 180
 gtgagtcatt atatacctat gagtaaaata tgaaaatgac tatatgtgtc tgtctgtgtc 240
 ttgttatcgg tgatgcaaat agttaattct tgatggaagc tgtcgacgtg 290

<210> 8169
 <211> 242
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(242)
 <223> N = A, T, C, or G

<400> 8169
 cggtggtnc tgcgttgntg gtgtggttct tatnattaac nccattgtgt atacaggttt 60
 ccagtcctctt ggggtacagt agtggttggc cagatgggta tgtaagtatt tggagtcagg 120
 tgtataatgg attttcgggt gatatggatg taaagaaaag ctttccttgt tcacccggac 180
 ttgaaatcgt ggagttttta tagcagatct tcagcaggtg agagaatcac agctgcattc 240
 ca 242

<210> 8170
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8170
 ctgtcgagaa tggaggattc ttacgtggac atgagttgca ttgttctttg atgctgtagg 60
 cttattaaaa gtatgtagtg actagtttcc aggcacttgg aatctgtgtt cctatgggtg 120
 gcggcatagc agctagcatt tttgatcacc atacagcagg gcttcgggta gtcgcgat 178

<210> 8171
 <211> 242
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(242)
 <223> N = A, T, C, or G

<400> 8171
 ccagnagggt atccctgtac ctgccctggt gattggccag cgaatcaggt ctaaccagca 60
 caactccac ctggaccagc cgaaccagct ctgagcatga gttgggtcag atctgaaaca 120
 tcccctgcat aaccccagca agctacctcc cctgctaatt atggatgctc atctcctgca 180
 agcatcaacc gcattggcag aagcagcaaa cccacttcct ccttgcttag catggaccat 240
 gg 242

<210> 8172
 <211> 722
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(722)
 <223> n = A, T, C or G

<400> 8172
 gggaccggga ggtgacttag tgctgatact ggcaattggn aaagatgagg gacgnctgct 60
 tgcactccag catgcggcca tttttaatta cattgtttcc caagtatgca tattctgnac 120
 atgtctatag cacttagtgt ctgcttcata taaactacca gttattatat atttatgatg 180
 caagtagttt tccaaatgtg gtgaaagtct gagtcttttt atcccatgg gtaaaatctg 240
 aatctggctc tctgtgtctc tctgtgcttg tttattgctg gtcagagagt caattcttga 300
 taaaagctgt tgacttggct ctcacagttt atgcagacat tggagagacg atctggttat 360
 ttcaaacatc acaggatctg agtaagaaga cctggttatg aaacaaggct ctcataatta 420
 ctagctatga ctgttgacaa gttacctttt cttgtttaca agttatttgg cctctttgaa 480
 ttacttgtaa aatagagata gggattcttt cttgatcatg gaacatcaaa tgaagttatt 540
 tgatgaaata ctttgttatc tggaaattat aaatatcact tcatgtttat tattatttgg 600
 aatttgggct tctcatgggt gcattttcta tggtcatttt tttcttttct tgcataatgg 660
 ctataaagtt agttagacat gcaaacaat gccctaagtg ggaaattttg aatagggttag 720
 gg 722

<210> 8173
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8173
 ttgtttgcag agtcctcaaa tgtatcacag aaaacagttg ctgtggaaac ttatagtgga 60
 ccctactgac gcacaagcat taagaagtcc acttgctgca tactgtaagg agaacttgct 120
 gcatttgagg aatgctgctt aaggcaacac acattacctt tgtgacaggg ctctgtccac 180
 tgggggtgggc tgatgcaatc tatacagaat gcacatgctg cttttttttt ttcttttttt 240
 gc 242

<210> 8174
 <211> 194
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(194)
 <223> n = A, T, C or G

<400> 8174
 agcacgtaac ccatccgatc cccaagatt aaggaaaaag agtgggagag caaatggaag 60
 aagcccctgc taacgggatg ctaatgagaa atggggagca ggaggctgac aatgaggtag 120
 acgaagaaga ggaagaaggt ggggaggaag aggaggagga agaagaaggn gaaggtgagg 180
 gggggggggg cggg 194

<210> 8175
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8175
 tttttttttt tttttttttt tttttgggct tcccaattat tttaatgaag ggattgggag 60
 gaggacatac aaaacggcca gatacacagg gtagcagggg cttgataatg agataatttt 120
 cccccacgtg ttgggaaaaa aaatactatg ttttttttta tgaacactat taataaaaaa 180
 taaaccact cacaacattt tggagggact aaaggccaag agaaaccaat ggagaatcat 240
 tattttggggg atgggggggg gagtttctgg ggggcagggg gggatgtgga caggcagggg 300
 ggggtggagg aaccttgctt ctggcgggaa tgggaaggag ggacaaggaa caaa 354

<210> 8176
 <211> 603
 <212> DNA

<213> Homo sapiens

<400> 8176

```

ccccaaataa ctttcttatt gctctgaaag aagaaaagca atgtaaatca ctatgattat      60
tgcacaaaca accagaattc tccaacaatt ttaagtaatc tgatcctctt cttggagaaa      120
attgttacct aatagttttt ccttatgaat gttattacta ctgggtataaa tcaaatttct      180
ataaatttcc tacttaagtc ttaagaactg ggttcttcct ttgatgttat tcatgttcag      240
aaaggaaaca acactttact cttttaggac aattcctaga atctatagta gtatcaggat      300
atatTTTgct ttaaaatata ttttggttat tttgaataca gacattggct ccaaatttct      360
atctttgcac aatagtatga cttttcacta gaacttctca acatttgga actttgcaaa      420
tatgagcatc atatgtgtta aggctgtatc atttaatgct atgagataca ttgttttctc      480
cctatgccaa acaggtgaac aaacgtagtt gttttttact gatactaaat gttggctacc      540
tgtgatttta tagtatgcac atgtcagaaa aaggcaagac aaatggcctc ttggtccccg      600
ccg                                          603

```

<210> 8177

<211> 354

<212> DNA

<213> Homo sapiens

<400> 8177

```

ttattttatt tatttggtat tatgtttttt tatttttttt ttttttggtt tttttttttt      60
tttttggttt tttttttttt tttttttttt gttttttttt tttttttttt tgtttttggg      120
ggggggaata ggagaggggg ggggaggggg ggggtgatgaa ggggggggga aaagaggatt      180
tataatataa aaaaaggggg aattaaaggg ggggagagaa gttaatgaaa aggaggaaaa      240
aaaaggatat attaataaaa aaaaattgga aaaaaggggg agttttttat taagaggggg      300
gtatatTTTg gggggaaaaa aatatggggg gggggaaaaa aataatagtt tggg          354

```

<210> 8178

<211> 352

<212> DNA

<213> Homo sapiens

<400> 8178

```

acggattgaa ttgactgatg catgctcaca tatgtctaaa aacaatctgt ctgcaataac      60
atgtcatgaa tgtgtgactg actggtctgt ccttgtgcga gctactacct gctgectgct      120
atcaatctct ctaacaacgg gtggacacac acccaccgac tgctggttgt cttacacaga      180
gaggaaggat ccttgcaact atctgggaga ttaatatgta accagcaacc tgtgtttgca      240
gccagctgtg ggaggtcaaa caaacaaaag catgcaagca tgtgctggact gaaccgagtg      300

```

atgcgtgcga gactacctgc ctgggcggac ggtcgactc tcttactatt ga 352

<210> 8179

<211> 464

<212> DNA

<213> Homo sapiens

<400> 8179

gctttttttt tttttttttt tttttttttt tttttttttt tttaaaaaac taaggaaatt 60

aattgggttc agggaaaaaa ccggaaaaaa tgggtgaaaa aagtggtaaa aaaagggttaa 120

cttaaaaaat acaaaaaata ccttggggta aaatttttga aggggggggt atttaaaaaa 180

aacggaaaaa aaacccaaac ctaaaatatt gggaaaaaaa aatattaact tttttttttt 240

tttaataaag ggggggggatt gtttttggaa taaattaacc aaaaaataa aggtaccctt 300

ggttttttta agggaaaatt ttttatttta atcaaaccct aaaaaaacct tggtaagggtt 360

ttatcccatt ttaagggggg aaaaaagggt ctaaaagggt gaagggaata tccttggtgg 420

gcaaacgga ttatgggggc aaggtaattg aatggaccc caaa 464

<210> 8180

<211> 448

<212> DNA

<213> Homo sapiens

<400> 8180

tacagttacc attgtacaat ttatgaacac atggattacc ttatgacaaa gcattatata 60

caccactgta ctagatgatg aagtgctaac cactcacatc actagcatgc cttctatttta 120

tccaaatatt taaagggtgat atttattgtc gaatgggtgg ggtgggtacca atggtctcta 180

gtatgggttag tgtgaaaact ataaatatgg atctttcagt gagctattag tgagcaccta 240

ggggctataa gatggtttca cttattaatc acaaaatatt cattattatg gtgaatgtta 300

gatatactct ctatgtaaat tgggttagtaa aacgagttag aagatatgat gaatacaaaa 360

aaaataaaaa cagacatgca tgggcgggtgg aggccatgat cttaaggaaa aaaatgttgt 420

gtgagtcgtg tataacatta aatgaatc 448

<210> 8181

<211> 576

<212> DNA

<213> Homo sapiens

<400> 8181

caagtaagggt gttgtacggt gctgcgaggt cgaatagcat accaatattg gttgatctgt 60

ctgcaacatt agaaatatgg agatatatac tatttatata tatttaacat taaatatatg 120

gggaatatat ctttagactc atgaaaaaga ataatgtatt attatatgca tcatttgtga 180

tatgatatat gactgtgaca tgaatatatg aattatttgt aatctgtata accagtgact 240
gctctgcgaa tatcactggg ttatcgactg ggccagctag gctatgagac tacgcaggat 300
catatggggg gcgcgctatg caaccagccg aaacaagaac cactggagaa gtgaggtgat 360
actactcgat gactcgacga acagctatat gtgaggcgat agtatccagt gcactgacgg 420
cttgacaata tgcacgcgaa tgtgtccagt gctccaaggg catgacataa cataaccaga 480
aagtgtcagg cgggcgcgta gaaaacatgc cgacaaatga gactgcacgc gtgctggcttc 540
aaaaattgct gacaactgtg accgctacct gccggg 576

<210> 8182
<211> 160
<212> DNA
<213> Homo sapiens

<400> 8182
gacagggggg gggggggggg cggggggggg gggggggggg gggggggggg gacgggcaga 60
ggggacctat tggatgcaaa aaagaatatc tatataaaaa aaatatagtt gtttttttgt 120
ggtttagaac caccagtaac aatgaaaaag tattcaataa 160

<210> 8183
<211> 208
<212> DNA
<213> Homo sapiens

<400> 8183
cagttgtcaa caatatttgg taagcaacca gacatgtaaa tcttctgtag atgctttggt 60
tttcattatg gtgcacctgt acacatttca agttctgttc tgacatgtcc attattatca 120
ctgtgctctt tattgtcaag catatttttt ttaccggtc tgtaaactgg gatagttatc 180
actttctctt tttttatttg tttatttg 208

<210> 8184
<211> 160
<212> DNA
<213> Homo sapiens

<400> 8184
gaagtcttgt gttttactaa tgggaaaaaa aaatacagaa aaaagttttg ttactcatgg 60
ctgccccacc gccagcctgg gccctaaaaa cagcccagcg cctcacttct ggcttgggag 120
aaatatttct ttgctccttt tgggaattca tggcttgatg 160

<210> 8185
<211> 160
<212> DNA
<213> Homo sapiens

<400> 8185
gaggtcctgc aaaccatctc aagaccaaaa taagcgaccc ggcctatgtc cccctgttat 60
tgggattgac ccacacggcc tctacattgg catgcctagt tttgcttgca tctggaaaga 120
aaaagaattg aatcgcacgt ttctgggtaa aaaagctggg 160

<210> 8186
<211> 528
<212> DNA
<213> Homo sapiens

<400> 8186
tttttttttt tttttttttt tttttttttt ttttttttta aaattaaaaa ggaattat 60
tttttattgc cgggtttttat taaaggggga ttttaaatta attcattgga gggggtaaag 120
gaaatggagt ggggtgggtgg gaaaaggcag gggggccaaa aattattacc cattaaaatt 180
aaaagtgggt tgggtgattg gtggggttct ggtgggttgg gttgggtttt tgtttttttg 240
ggggtgggtt ttctggctct tgttcttgac cactttttta accattgggg ttgggggata 300
agaaaaaatt ttaggcaag gttgggtatt aaaaccacaa aaattttggg gggaggaaaa 360
ttaaatatat tgttttaaaag gagctttcgg ggaggggggg ggtttgggtt ttgttaccgg 420
gaggtggggg gtagggggg ttaacacggg tctttttatt ggaaatttaa ttctcttaaa 480
ctttcaaaat ggttggcggg ggaaaaaaa aatggccggg agggccag 528

<210> 8187
<211> 384
<212> DNA
<213> Homo sapiens

<400> 8187
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
tttttttttt tttttttttt tttttttttt gggggggcaa aaaatttttt tttttttttt 120
tgggggttga aaaatttttt aagggaattt ttgggggggg aattttgggg ataagtttta 180
aaaaaaaaa aaaaaggggg ggtaattttt gggaatattt aaggaattaa acaaggtttt 240
tatattaatt ttaggggggg gtttaaaaat ttatttgggt tttaaaaaag ggtaccatta 300
aaaaaaattg ggattggctt ttttaggggg acttaaagaa ttttaaggggg tttggggggg 360
gggaaggggg ttatataggg gagg 384

<210> 8188
<211> 222
<212> DNA
<213> Homo sapiens

<400> 8188
cttttttttt tttttttttt tttttttttt tttttttttt ttttttttatg 60

gggaaatttta cctttttttta tttttttttta atattgaaaa ttttaaaaaa ggaattatatt 120
 ttcatattggg gtcccgcccg gggggggggg taggatcact tgagtaatca ggggggagggt 180
 ggatggggcg ctgagggggag aacacaaaca cagggcaggg gg 222

<210> 8189
 <211> 352
 <212> DNA
 <213> Homo sapiens

<400> 8189
 tcttgggtcta atatagggtta tgtgtaatga actgctagac tgtatgagggt acatgaacta 60
 tactagtgat ggggtgctgg ctgcatattg tgtattacta ggtctagttc tatgtattaa 120
 tatgctgcat tgtggatatg gggcaatata ttttttggac gcatctctct tattagtagt 180
 atttatagtc ctctttctgtg taatgcaata atgaatatct attattagat ggtattatatt 240
 cttatgacct atatcctgtg actgtctctc ttactccttt gtccgaggac tgattaggca 300
 tggctatgtg ttacgtggc tttatttctg gggccatcct ggcagtgcc ct 352

<210> 8190
 <211> 160
 <212> DNA
 <213> Homo sapiens

<400> 8190
 agcttttttt tttttttatt ttttttttta atgtttgggt gttaaatttat taaaagattt 60
 gatttataat atttgtaatg gtgactgtca ctttttttcc tgccttgcta ctgatgggat 120
 tattctgctt aatatatttt ttattagatg tgcaagttaa 160

<210> 8191
 <211> 160
 <212> DNA
 <213> Homo sapiens

<400> 8191
 tactgacatg catgtactaa ctaggggtcta tggcatgact tgcataggct attacatgct 60
 gagttggtag cattagactg catggatatca taataattga acacaatgct gatgaagaat 120
 attatctcgt ggtagttagt atatttatag gcaagtggga 160

<210> 8192
 <211> 480
 <212> DNA
 <213> Homo sapiens

<400> 8192
 tacaagcttt tttttttttt tttttttttt ttttacaagc tttttttttt tttttttttt 60

```

tttttttttt tttttttttt tttaaaatat ttttattttt attatttttg tattaattaa 120
aaatatgaaa aaaaaagtaa aaggggttcc tttttggggg gagggcacct tgatggctta 180
aaacaagctt aataaatcga aaaaaaaaaat gggatgccaa aagatggggg gggaaaaagg 240
gcttgggggt taaaaggcga aaaagttggg ttaggggggt gggggggggg aacagagga 300
aaaaaaaaatt cagtttaggg gaccctaagg ggacgggggg gggggggggg gtgagggaca 360
cttggaaggg tttttggagg gggattgggg ggggaggggt tttgttattg ggggagatcc 420
gggagggagg ggcggggcag ggtgggggtc cagtggggta aattttctta agggcataaa 480

```

```

<210> 8193
<211> 240
<212> DNA
<213> Homo sapiens

```

```

<400> 8193
tagagctttt tttttttttt tttttttttt ttttttttaa taggttaaaa aaaaattttt 60
atttttttta aggggtgtta aaaattggaa taaagaatat gtataatatt tgttagtggg 120
gggggttttg tgtaatgatt gaatatatag gaggatgaaa gatatttggg tgtaaataga 180
taaaattggg agggaagggt gaggggaaag ggggaatttt aaaaagatat attaaaaaat 240

```

```

<210> 8194
<211> 224
<212> DNA
<213> Homo sapiens

```

```

<400> 8194
tattacatgg cacgaggacc cactgagaac acaacgcctg ttgcggaaca agaacacgga 60
atggggctaa caacagacta agtactttat tgtaggcgg ataatatata actcatttgg 120
acaggcctgg gccatatctc tgactatgcc ctatattgga tgcctggcag gggcccaagc 180
ccaagaggat tctttaccct cggaacagct cccaggcac tcag 224

```

```

<210> 8195
<211> 192
<212> DNA
<213> Homo sapiens

```

```

<400> 8195
ctaagattga taatttgtgt atgtgatata aacgttttat taccagatgt gtacatttaa 60
tgagctatca ttacattat aaaggttgtg tgattctttg ttttttttaa acacaatttt 120
tatattcaaa tctgttggag caatgaaaag atggagagca taaacagggt tttctatgct 180
gatagacat gg 192

```

```

<210> 8196

```


<211> 288
 <212> DNA
 <213> Homo sapiens

<400> 8196
 tgatgaaagc caaattgacg caggatatga acctgttttg tattgtgata aggttaatat 60
 tgtgtgcaat tttggtgaaa tgagagaaaa gattgatcgt ggttttgggtt gaaagatgga 120
 tgatggtgct tgattgttgg atgatgggga tgatgacatt gatgatatgg ctggtggaaa 180
 gctgatgtgt ggtgatagat tcttaaaacta tggagatgct ggtattgttg atgtgggtga 240
 tgtgaaacag atgagtgttg agagtgtcat aaaatataga ggattaga 288

<210> 8197
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 8197
 ttgtatTTTT ttgaaatatg ttgatatgat aatttatgat ataatttgga ggatagttgg 60
 ttatTTTTaa ttttataatt acaaaaatat tgtaaaaatt tgtgtttagt atacatTTTT 120
 aatagttgta tgaaagggtg atatgaatat tataatgaaa catgttagta agtgtaatta 180
 agaatgatat gaatatatTT tgtgttaatg atataaagaa atatgggatt gatattttaa 240
 tgaaaatggt tgtattaagg ataataatga taaatgtttt aaattaattt actttaaaaa 300
 atta 304

<210> 8198
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 8198
 tcgtgcta at ggtgggtctg aatgcaatat ttgaatatta aatttaaatac tatatattat 60
 tatggaacat aatttatatg gggaatatat tataagactc ataactgaaa taagtatgta 120
 taataaaaag aatatgtgta atgataatga atatctatta atatatagta tcagttataa 180
 gttttatatt atgtgagtgt cttaattaat tattggttgt ctgagtgatt taggcgacgt 240

<210> 8199
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 8199
 agttgtatTT aaaaaagcat aagtatatag tgtgttgggt agaaggagag gagaatgagt 60
 tgatttgttg aagaggaggg tgtttgtgga tgaagaggag taagagttga aagtagaaag 120
 ttgaatagat aggggaagtgt tgtgagtaag gaaaagtaag gaaaaggatt cattataaga 180

gaaaatgtta ctgagtgaat taataatatg taagtttggt ttca 224

<210> 8200

<211> 704

<212> DNA

<213> Homo sapiens

<400> 8200

caagctttttt tttttttttt tttttttttt ttttggtttt gaacctttta taaaagtaaa 60
 aaatgaatgc aaaaagaaca caatgttgaa aacttagtat gaatgtgaac ctactagat 120
 gttcaaatct ggtagagtgc aaattttggt catactatct tacattttta caaactcaaa 180
 tcacttttgg tcatatattt tctataaaact attggcaaaa aaatcctcaa atttacattc 240
 ttttggttac attattttcta acagatatag atttacttcc ggtttcggag agaaagactt 300
 attgtgtgtg cgtgatcaag tctgttttaa agattcactc gctgctttca tctaataact 360
 tctgggtttt cataaaatgc tgacatcttc attggaaatt tttttcatgt aactgttttc 420
 attttcagaa aatatataag ggggtcattc ccaagttcag aatgatccta tttttttaaa 480
 aaacaaaatt cctgtaaaac aaattaactc caggaactta aaatttactc caagacattt 540
 ccctcaaaac aaagcaaaaa acccagccaa gatcgttaca tcacaaaacc aaacacaaag 600
 aacagcgctc acaggcaagt tcctctaagc tttcattctg ctgactgggtg gcttccattt 660
 taaaggagtc tttttatcca gccactttca cagaatttta taac 704

<210> 8201

<211> 576

<212> DNA

<213> Homo sapiens

<400> 8201

atgagtgaag ataaaatgac cagcagagga atgcatgtct ggtttcagag ttgcagggtta 60
 ttatcctgaa ccatacatga acatcataag cgtgagtgtg atgaactgta tcggatagct 120
 acaaagcgca cattagaatg cgagtttgat gagttgaaag gaaaaataga ttgccgggtct 180
 gggtagtagt tggaagatgg ttctaaattc ttgaattctg gtgatgatga ctatgttgat 240
 atgggttattt gggagatatt gtgtgttaag agtttatcaa attattcttc tttagggtcga 300
 tttgcgggtc atgatattaa atatatagta gtagatgggtg taatcataag tagcgggaata 360
 cagtgatggg ggaactggat acgttcgcaa ctctgctcat aaagctcaga tagctgaatg 420
 aatagtatca cttatagggtg ccactaagt cttaatcatt ggtgagataa caggcgtaga 480
 attgtttggt tcatttgga ttctatgtat agttataaat gaatggataa tgatcacaat 540
 gtgtcgtata agcattatag cgagaagaga gatgtc 576

<210> 8202
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 8202
 ctcatgcaag tgataggtgg aactgtcgcc tgcagctaaa acaggggaagc ggaataagat 60
 gctgatgctg tgtcgaggtc gatgagcatc ctggtagtgg tggctgtgcc tgcaatattt 120
 gaatttttaa tctaaatctt tttatttata tttaacatta ttgatatggg gaatatattt 180
 ttatacttat cattaatata tatatttata atttctgctt ttgggtaatg aatatgtata 240
 tctatttata ttgtttttat ttattatttc tatttactgt gactgtctca cttttttctt 300
 tgggtttctgt ctgattaggg ttgggtatgt gatggcttag ttttatgggc agggccgaat 360
 tggcaggc 368

<210> 8203
 <211> 672
 <212> DNA
 <213> Homo sapiens

<400> 8203
 tttttttttt tttttttttt tttttttggt tttgaacctt taataaaagt aaaaaatgaa 60
 tggaaaaaga acacaatggt gaaaacttaa tatgaatgcg aaccttactt gatgggtcaaa 120
 tctggtagag tgcaaatttt ggtcatacta ttttacattt ttacaaactc aaatcacttt 180
 gggtcataata ttttctataa actattggca aaaaaatcct caaatttaca ttcttttggg 240
 tacattattt ctaacagata tagatttact tccgggttcg gagagaaaga cttattgggt 300
 gtgcgtgatc aagtctggtt taaagattca ctgcgtggtt tcatctaata acttctggtt 360
 tttcataaaa tgggtgacatc ttcatggaa atttttttca tggaactggt ttcattttca 420
 gaaaatatat aagggggggca ttccaaagat cagaatgatc ctattttttt aaaaaacaaa 480
 attcctgtaa aacaaattaa ctccaggaac ttaaaattta ctccaagaca ttttcctcaa 540
 aacaaagcaa aaaaacccaa caaagatcgc tatatcacia aaccaaacac aaagaccagc 600
 gctcacaggg aagttcctct taactttcat tctgctgact ggggggcttc atttaaaaag 660
 ggtgttttaa tg 672

<210> 8204
 <211> 288
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(288)

<223> n = A, T, C, or G

<400> 8204

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catgagtccg cncagtgcgg taaaaattgn tggaaaatct gacctgtgga gtgccttaca      60
tatgtacttg aatagaagtg gtcaataaga ttgattgcat actgcattgg aaaaagacat      120
aaagaatgct tgacctatct atttatcctc tctcatgatg tcttcgtnta gaaaagttaa      180
atatgctggt ataagctcat agtttgcaat tgcggatagt ctcagagag cttgatggat      240
gaaggctagt aatctgtggt ataagccatc tggggaacga ggacagga                    288
```

<210> 8205

<211> 160

<212> DNA

<213> Homo sapiens

<400> 8205

```
actgctgaac ctttttatgt tggttacttg tctatatatg ctatcttttg gtagtctttg      60
ctagcttttg atattgtgac tgacaaaggt ctgtggagtg tctatgagct ccagcgtgac      120
aacactgcct gctggcagct tggccagtgc tcactcaaaa                    160
```

<210> 8206

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(255)

<223> n = A, C, T or G

<400> 8206

```
cagctttttt tttttttttt tttttttttt ttttttttat tttttaaaac aagcaaattt      60
ttattaaagg aaaaattttg cgagttttta ggtttgcgag gtgtaaattt tgtgaggggtg      120
aaaaggttta ctttttcacn cagtctgttt ctggcatgtc ttttaatgga tgtcagaagt      180
ccacctggta tcaatgtata tgccagtggg gcacactctt gtagttatth tcccgcagtg      240
ctgtgcgcca gttttt                    255
```

<210> 8207

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(192)

<223> n = A, C, T, or G

<400> 8207
 tgttcgtgcg gacaagnttg tggcgtacag caaaaagcac ccaccaaggc aagacagctg 60
 acttcatctg ctcatntgta ttatcctgca accatcctag tgcaaataaa gcgccggact 120
 atgacctgct ggtattggga ttgagcacac gtgtctcaca ttgatatgtc aagtgttgac 180
 tgaggctgag ag 192

<210> 8208
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 8208
 ttccccctttt tttttttttt tttttttttt ttttagggttt tatttttaa at gggaagggaa 60
 aaattaaaag ttaaggggaa attaaagtgg aaaaaaaaag ggaaacactt aaccccaact 120
 tttttgaaaa agaaaaaatg atgggggggg gagaaaaggt aaggggggaa aaaggggtatg 180
 gggggattgg gggggggggg acgtgggagg aaaggggagg gagg 224

<210> 8209
 <211> 752
 <212> DNA
 <213> Homo sapiens

<400> 8209
 ttatgaggta gatccttgct tgaaagtatc tgctgaaaag ccagtaacg tggcagcttc 60
 atgcataaag atataaatga catttgcctt aaatttggca gcctaccctg gcttgggtca 120
 gattttgttg ttgaacacaa gaaagtattt aagcaaagaa acacttcagt ttaattgaaa 180
 acaacttttt gtaatgctga cgtgtttaat tggcctgagg gtattaattg atatctgttg 240
 attttgtttt tctttgaagt ataacattac tttttggagg gaatttttga aagatgcttt 300
 cgatttctct caattcttta agtcatgcaa aatgaattta aaatccaggg agtatggatg 360
 cattgcctta gttttgatga gctttaaatt aaatgtgtgc aatatcaaaa tattcaaact 420
 tacaagctgg gtaaatacat ttcttgatta atatcttagt gcttaattgt tcccacattt 480
 tcaaatttga ctttactctt ttttggcgta attcagtaag attggtacca gccagtgtgt 540
 ttgcacacat ttgggttgtg tctagatgag ttagggacag tcataaaagc tggggatatg 600
 tcgcatttgc aatcagtagt agcatatttc cagaatatga gccataaggt gcagtcctga 660
 atacaacagt gttatccata gaaaggagct ttctgacaaa tatacatagc cttactaatg 720
 agtaccctg cgccctccct cccaccgcac ct 752

<210> 8210
 <211> 368

<212> DNA

<213> Homo sapiens

<400> 8210

```

tttttttttt tttttttttt ttttttggtt atttctattt ttttttgtct ttttgtatag      60
gctaatttgt cggatttggg gatgagatat tgaagggttg aaaggattat atactgtatt      120
ggtggttggg ttggttgggtt ttgggctggg ggaagggggg ggagggtggga aattaattaa      180
taaaatagta ataaggtctt agataaatat tatagttaaa gggaggaggg gggggggtag      240
ggggataaag gggcaattgt gaagggggga tgggtggatg tttttgtgga gctgtgggag      300
tgaggatggt aaaatgattt atttttatag gtaggagggt ggggggggtg tgggtgttac      360
gtggcggg                                     368

```

<210> 8211

<211> 690

<212> DNA

<213> Homo sapiens

<400> 8211

```

atgtggtgtg tgggtggacac aaagttcatt tttattttct ttttccttta ttttttctta      60
tggatgaatga tggaagatta ccgattaatt acacatggca catggataat ggatgttggc      120
tgtcatattc aattgcaatt tgttatagtg ctgtgtgatt aagtattggt tattgactat      180
tatttattct atatggtata taagaaggaa gcaggaatgt tagctgatga cacgtgaata      240
tttattatac atgctgtgtg ctgcgtccat gttgattgct tatgacgtat ggcgtatgga      300
acatttttaa gtcattcttg atggtagctg atacctgac tgtgtgttga gttatcctgt      360
atgtggatca tatttttaac tggattacgt gttactggtt tgggtgtggg ttgtgaacca      420
caccagagat cactaaactt gcttcagggt tagtatctga ctggtgtatg gattcttaag      480
cgccataagt catttgagta ttgattatc tgaataataa catgcaaatt agcaagaact      540
gggcatacag ggtaagcggc aaggacaata aggatttttg tagatattat atattttttg      600
tttttggtta aggagacaag tttgaagagc agacaaaatc tcttttttaa tatagtatga      660
atgagaatac ttaaaaaaat ttaaaaaata                                     690

```

<210> 8212

<211> 370

<212> DNA

<213> Homo sapiens

<400> 8212

```

ggtacatttt tttttttttt tgggtgatgt tgtttgtctt tgaatgaagc atgtaattta      60
ttctcttaaa gaggagaata catgtggatc tttagaaagt aggaggacat gtctaacata      120
gatcgcttgt gtatatttta gtctataact gatcatgcat tacttagctg ggcgtgggtg      180

```

ctcatgcatg tattctgacc ttctggggca actgacgctg gataatattt aatacctgga 240
 tagtgatga tgcagtgagc cacaatcacg ccaatgcact ccaacctgcg tgacagaccg 300
 agactatgtg taaacatcta cttcaaatat atgggcctgg atgaatttaa atccgtggat 360
 ggcgacgtac 370

<210> 8213
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8213
 tactcttcca attaatatct acattgatat tcaccagata ttgtgaactg ataactga 60
 aataataaga attgcatagt atttgaagct gcataatcaat aacagctttc ttggtaatgg 120
 ctctaatact atcttcttta tgggtgtggc tgccatcatat tc 162

<210> 8214
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8214
 gatagggaaa agttagatta ttggaagatt gtgtatactt attgatgaat atgatattaa 60
 aaatggggat gtagataaag aagaattgtg atttgaatga gaatattgag aatggattat 120
 tgtattgagc ttttagtggt tttttattta ataatggaaa ataagctggt gtttagag 178

<210> 8215
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 8215
 gtaccatttt gcagcggagg gcatgatgga aggacaagcg tttagaaagt atgtatctac 60
 tctgtgatcg gatattggta tgtaaggagt gctgctgtaa ctggaaccat aagagggatt 120
 atgcttacac aatgatctca tggatatgtg ttgttagcat gagctgtgga tgtaggattg 180
 tgtgctagag gaacgggtgg agagattctt caagctatgg tgaatgatag agataatata 240
 tctgtatggc agaatatgga cggcagaaag tatttctata tgacaatgat tatttgctat 300
 gtatagatgg tgacattatt gcaatgaagc taggacgtga gcacgctaata cactaatgaa 360
 tacgggattg gctgcagctt gaccgtatga gataggtccc aacgtggcgg atgcatagat 420
 tgagtatttg tatgtgttat atagatagct aggtgtaatg atggatatag gtgatagtgg 480
 gtgaatatgt tattcgct 498

<210> 8216
 <211> 550
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(550)
 <223> n = A, C, T, or G

<400> 8216
 caacgctctg aacgttccac tccacaatag gagacaccag ctgaagatgc gagatattgc 60
 tgggcaggcc ctggcttttg ttcaggatct tgtgacggct cttctaaact ttcataccta 120
 cacagaacag aggattcaaa tttttcctgt tgattctgcc attgacacta tatctccatt 180
 gaatcagaag ttctcacaat accttcatga aaatgcgtcc tatgtccgcc ctcttgagga 240
 aggaatgctt catttatttg aaagtatcac tgaggatact gtgactgtct tggagacaac 300
 tgtgaaattg aaaacttttt cagaacactt aacctcctac atatgttttc ttangaagat 360
 tcttccctat cagttaaaaa gtttagaaga agaattgtgaa tcctctcttt gcacatctgc 420
 gttaagagcc aggaatctag agctgtccca agacatgaaa aaaatgacag ctgtgtttga 480
 gaagctgcag acttacatag ctcttcttgc cttgccaaagt acctcgggcg cgaccacgct 540
 aatcactagt 550

<210> 8217
 <211> 162
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(162)
 <223> n = A, T, C or G

<400> 8217
 gctgggcacg taaggtnacg ttggtgaata tctctaactc acggcatngt atatgcaggt 60
 attttcggta ccaaggacaa ggttctaagt catactatta aaggctaata aaattcaaaa 120
 atgggtttaa gaattcgaac attttgaatg acgcagaggg ct 162

<210> 8218
 <211> 530
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(530)
 <223> n = A, T, C or G

<400> 8218

```

ggnccgagtc aagcctgcgt atcagaatct gagacagcgt gttgacaact ttgttgcaaa      60
tcacttggca actcacacat ggagtcgcga tctcaataag aaccagctaa gaaacaacat      120
tagacaacaa gtcctcaa atcangaatggt ggagtcgtgt attgaccgaa ttattttctca      180
ngttgtggac ccaaagatca accacacatt cagacctcag gtagagaaag ctgtgcatga      240
gtttttggcc acgctaaatc acaaangaga angaagtggc aacacagctc ccgatgatga      300
gaaaccaggc acttccctta ttacacaaag tgttctact cctgggcccga gtgctaattgt      360
agccaatgat gccatgtcga tattggaaac cataacttct cttaaccaag aagccagtgc      420
tgctanggtc tcaacagaaa catcaa atgc caagaccagt gagagagcgt caaaaaaact      480
tacatctcat ccaaccactg atactaataa ccctgcgggc ggggggtgga      530

```

<210> 8219

<211> 242

<212> DNA

<213> Homo sapiens

<400> 8219

```

gtccggggat gcacgcatga tggctggtgg tggatatgtg aaaggataaa ccacagccaa      60
atgaaaacac tattgatata ggttatggcg acgctgatat aagtaaagac agacagcagg      120
gcacatgaca cgacatacac acagcatgga cggcaagcag gaatacagat ctgattactg      180
agatgtgcca ttattgatgt caagaagggt cacatgatac agtgtatgag tgaaggctct      240
at                                                                                   242

```

<210> 8220

<211> 290

<212> DNA

<213> Homo sapiens

<400> 8220

```

acatgatata agagaaatgt tcctatggta tatatgaact cctaacta tgatcgtttt      60
ttttttttta aatgtgggta ttggtgtgtt ttattttttg ctgtttactt cttaactgaa      120
gacttggtgc gttgtaaaac tgtttaataa aatatatggc attaacttgt atttacaaaa      180
aaataaaaga caggctttac actattttcta gggggacact atttcgggaa tgttatgtaa      240
aactctctat ctagccattg ggaccgatat cagttgattg ggtatcgtct      290

```

<210> 8221

<211> 242

<212> DNA

<213> Homo sapiens

<400> 8221
aacaactcca ggtgcaagtg aacaggaata aaaatgccat cgtttttact aatgaatttc 60
acaaacatat ataagcgaaa taacaatggc agatgcctcc actgtacttg agcaagtcat 120
cactgatctg tttggagaaa ttagtgggtga tgcgggtgct ggctgtggcc tgtttctgtc 180
tgattgtgaa ataggtaggc ctggttatgt actggtgtgt aactccaggt aacggcatat 240
tt 242

<210> 8222
<211> 178
<212> DNA
<213> Homo sapiens

<400> 8222
gttttatgct tgtgggtttt ttttttctct gatctaggta ttaactacca aataattcaa 60
aacaccaaag aaatcatttg aatgggagaa ggagaaacag gttgaagcac tgacaatttt 120
tgcaagtgag aattcaagga ctgtattgta gccacagtta tgtacattat ctacgaac 178

<210> 8223
<211> 354
<212> DNA
<213> Homo sapiens

<400> 8223
cactatattg gccaggcttg gatatatgaa acttgtgtca cttaaaacta aggcgggtgtg 60
tgatattaaa agaggtcttt tacatctgtg ttagctggct tgagaactcg caactttgac 120
tatcttgaat gtgctgctgg atggatggcc tttgctctga ttaggatccc catggtgaac 180
cctgtgcccc cagatggatc cggatgcagt gcacttgtcg ttaatggagc tcgtctgaat 240
gcataggaga tgtggttcac acaacagtgc aagaaaccta cggcctaggt gaggggaatc 300
cacttgcgca cagtgtcctc tatctcacac ccttgctcga cgactgcaca gcat 354

<210> 8224
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(450)
<223> n = A, T, C, or G

<400> 8224
gttcagcac tgagggaaga ctcagtctct gccatcacat acacctcatc actaagaaga 60
gacacatgaa ataattacca tccagtgtga taagtgtctt gacagaggat ggagtgagga 120
ctagtcacct tggggaagac agagaagcaa ggtcccacca agagatgaga agccagcctc 180

cangagtgcg ctatctgaga gggcaagaga aagaaggcaa aggagacggg tccatacttg 240
 aacaacttga aataacttgt ctgcatttca agaacaacct accacagacc ttacctgtca 300
 ccttggctct cccaccaat ggagatggct ctaatgggtg cacaaaccan ggaagggaaa 360
 tctgtggttt aaattcttta tgcctcatcc tctgagtgt gaaaggctgc tgnagctgt 420
 atgctgttaa tgctaattgg gatagggggt 450

<210> 8225
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8225
 aggggtagga agtgaggtgt atggatatgg aaatgtaatg aggtggtaag taataggaaa 60
 tttaaagggg aaggtgaaat gagttaggat gtttgtggat gagaagaatg ttatagatat 120
 ttatgatttg tagtgggaag ttattgtatt gttatattaa tttataata gttatggt 178

<210> 8226
 <211> 514
 <212> DNA
 <213> Homo sapiens

<400> 8226
 ggtggcggag cttgaggtaa tgggtgaagg gtttgtgtgt ctttgagaga tagagattaa 60
 tacatctatt tataaaatat aatcaattag ttaatataat attgattaat gttaagtttg 120
 ttacgtaatt ttgttttatt atgattttat tagaatatat gaaaacttat aagattataa 180
 tgaagaatga aaagatttaa ggttattaca tgatgacggg agttgtgatg agtctttttc 240
 atggaatgga agatgtattg aaaagtaata ttgagagaaa ggactgcaga gacaagaatt 300
 aataccaata ggaaggcagt gctttgaaat tataatgaat gtgagtgaat gagcttaaag 360
 tataattgaa gagttgttag tgattaaaat aattagaagg cgatcgtttg tgatgagatt 420
 taatcgaaag tgattattag aaattgaaaa tacgtgaaga gtggtgtatt gagtttggtta 480
 aaacgttaag ttaacgcatt ttagttataa gcta 514

<210> 8227
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8227
 ggctcgctgg acgcgcaggt tactatgggt acttaatgta attctaattgt actacattta 60
 taaatttttg ctatatgaat gtatcatcaa tggaaatcgc atatctgtca aggatctgct 120
 ctttgctaata gaaaagtggg agagcaatgg aacgagcgct tg 162

<210> 8228
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8228
 caggtaccgg agttggatcc ggctgctagc tacacggagt gtagggacac tcaaggctct 60
 tacatgcggg aaccgagcac atcatcatgc tgggtacttt ctggccacat cggagactct 120
 gacaattact tgatgctatg atctgactga agacatgaag taagaggtca ctgtgactaa 180
 atatccagaa gcctggaagg aggggccggg agctctcaag aatggggggac aagatggcca 240
 catgagggga gctctgtgcc atatcggcac aaggcggaag aaagaccaag 290

<210> 8229
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8229
 aggtacataa aaacgctgct gggtagaggt cctgtggtga cagagtcaaa agactgcaat 60
 gttgatgtca cccggtgaac tcctggtttg tgagagtga tcgggattca atatcatgga 120
 ccttaatgga gtaattggaa gacctcaata aggaaaccat tgagcctatg gaaggttt 178

<210> 8230
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 8230
 acaatatggg tcgttctttt atatcgaaaa aagtgtact taaaaaaagt ttatttatcg 60
 tataaaaata agtcttttac atctgttggt agctggtagt gaaaacttga aagactcaga 120
 ctcagtggta aacaggatga atgggtccac ctgcgctttc cgtttgggag agggatcttg 180
 agggctggga cccctctgcg tcacagtagg ttgagtgcgt tgctggggca gcaggtttct 240
 aaaatttttg ccttcaaggc aaagccatag caggggatgg ggtttcagca caaccagtgg 300
 caagaaaaga ctagggggcc tcggctgatg ggaaatccac cttgtgcacc agcggttcct 360
 cacaactcaa 370

<210> 8231
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8231
 ttctagggta aaggaaatat cataaaaact aaatataagc agaagctcaa gggatctatg 60

tatgaaagtg ctgggagaat aaaagttatg gaagaggagg aaattctgaa tcaaacacag 120
 attcttttgggt ttctgggcag gattataagt gtgtatagag tgggaagaag ctcatatg 178

<210> 8232
 <211> 210
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(210)
 <223> n = A, T, C or G

<400> 8232
 tatggntcag ntcttttata tcgcaaaaag gtgtaactta acaaaaaggt taattttattc 60
 gtattaaaaa aaagntcttt ttacatcctg ntgnttaggc tgggtggtgt aaaaacttgn 120
 aagcaactca gcacctcaga tgggtaaaca gnatggaatg gttccaccct cgtcttttcc 180
 ttttggcagc aggatcggtg nagggctggc 210

<210> 8233
 <211> 194
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(194)
 <223> n = A, T, C or G

<400> 8233
 atactcgggn ggnatggngg nctccatccg gncctcgcg tccaccttcc atcagatgtg 60
 gtatcancaa gacagnagta ggacgagtcg ggccccctcc atcgctccacc gcaaagtctt 120
 ctaggcggna cgtatgactt aagttgcgtt tacacacctt ttcttggaca aaaacctaac 180
 tttgtcgagcag naat 194

<210> 8234
 <211> 242
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(242)
 <223> n = A, T, C or G

<400> 8234
 tcggagtctg ntagcgaggt aaaatacgna ccagtaaaa ttgtcaatag ccagtgtctt 60

gtaattgttt tggtttcggn ttgttttcta ttagtactta tggtcagtct cgggctgtat 120
 tgcatacctc ctgcatgcgt aggtaattac ggtatgtgtt ttagtggagc tgggtacttt 180
 ctaggggatt ttagtcgggg gtgtatgtcc tttgttgggg gctcagctgc tcctccctag 240
 tt 242

<210> 8235
 <211> 242
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(242)
 <223> n = A, T, C or G

<400> 8235
 ggtacaagag agtcatggaa agtatttgaa cttgaactta atagcgatat tattaatgtg 60
 tgtgtggcgc acaatcttgg cctcaaaagg tcatggataa cctgagcatg ctcttattac 120
 ataactgggt agacaatacg accgttcata tacactgctt gctgtatcca cggaaagcac 180
 acctgtcgca caatgctctg aaacagctac ttcacgttgt gctggacagc tgaagangtg 240
 tc 242

<210> 8236
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8236
 agtacaatta tatggcccca gggatattgc ggagggatgg gtttaaaaaa gtctttcgga 60
 tataagaaag aacataggat gaaatgagtg gtggagaaag ggttacctat agaagactaa 120
 ttattcaaatt acttctctta tctatagtat agtatattca ta 162

<210> 8237
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8237
 gtgtacaggc tggacacgat gatggatcac aggcgctgga tccacgtgta agccaggacg 60
 ctccagaacag gcttggcgag ggcgtggatg tgctcgcgat gtacgacaag caccaggact 120
 cagagtgcac aatcagcgtg cagacacatc gcacagtgca tgcttccgga gtggagtagg 180
 actgccacat atgggagatc aaagatggca ctgaagtaag cgaaca 226

<210> 8238

<211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8238
 gagtattttgg ggaacacatg tctaataaat gccatccttg agtctctcat aatcattgat 60
 cagtcattgct gttatctcat gcaactgccc gccgaggttag ctaagaatgg gttaacagcg 120
 agcaggggcag acataccatg cctggatcca atgggataac aatgtttatt tggcagacta 180
 attttactaa gata 194

<210> 8239
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8239
 gtataaaaaa ttggagatgt aggggggttg agttgatgta ttattatttg attttatatt 60
 ataataattct atttggtggt atataaattg atggggaggt gttttttaaa tatttaaatt 120
 taggtttgga ttgattatgt ttatttgtga gttgtgatta tttttgagtt gtgaagtttt 180
 gtaatatatta gtggtggaga tgggtgtttg gtatgtgaat attagcttgt gtgggataag 240
 gtgggagaatg tggttgta 258

<210> 8240
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8240
 caaccttttt tttttttttt tttttttttt ttttggtttt taaggggggg gggccacaat 60
 ggttaaaaag gaccttggga aacaggggaac gaaaaaatg gttttaacaa aatttgggaa 120
 ccaaagtaaa atgggataat ggggggttggg aagaaggga ttggtttggt gggagccggc 180
 tttgggctcc caattccttt tttttgtcct ttggctgggg ttagggaaag gggggaggca 240
 aagggcaaag ctccaccctt ggggtattaaa aaacggcaga acaaacatgt 290

<210> 8241
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(290)
 <223> n = A, C, T or G

<400> 8241
 acatagatta tctgggcgtg gtggtctgtg tctgtgtaat accagctact tgtnaagtgt 60

agggtgggatg atcaactgat ccaaggagga caaataggtg acaatgagct gtgatattaa 120
 cactgaaatg caaccggagc tgcattgtgaa cctgggttgaa tatacataaa taaagattgc 180
 tgcaccattg gatgaagata ggtgatttca tatatgactt gcggccagat gcagtaggaa 240
 acatatatct gtgacacgat tctacggaga tgactggagg gagagtacgt 290

<210> 8242
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8242
 tactgtgttg aacttcatta ttcaatgtca ttctatgtca taataacaga aaaccctata 60
 caatcagagt tgctcaatac tggaccttca tgcaatacta ggaaccgtta cgctgggtgca 120
 ttgatacacg cacaccatac gagtcacaat gccaaatgga aa 162

<210> 8243
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8243
 gggaccgcag ggtgcactac aacctacgaa ctacgcgcac caccaactac caccagctgg 60
 tcgaacagac gcaagtatca tcacaagcat ggtatacaac actgctcctg cgcacgaaca 120
 cctctggagg gacaccatgc tgtatgctgc taggctagtc tagtatcctg ggatattcaa 180
 tccacttaat ctgagttatt tagcaagtcc 210

<210> 8244
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8244
 tactcactat cggtgctgga atcagtttca tagaatgact agctaatagc tgcaggtggc 60
 tataaaagaa aggaatgtgc aacaaaggaa atgaatgatg tatatctaca tatgataaca 120
 ctgacagctt gtgtaggtac catggagAAC agccgaatag gctgatgtga agatgggtctg 180
 tgtagggcta aaatgactaa gtaatgtgta ttgtcaaggc atgttccaat acagtataac 240
 ag 242

<210> 8245
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8245

gtacacagga tatagacaat aggaaaataa tacctcggtc attaacaaca catatagaag 60
 gacaccagct gtatcgtgct ggctatcacc tacctgtata taattactta tctgggtataa 120
 gctgacaaca tagaccttaa gtgtagggtgg gcaatgatgc taggaatctg tggaaggt 178

<210> 8246
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8246
 gtctggacaa ttcactgagc tcgttctctc tctctctctc tgtgtgtgtg tgtgtgtgtg 60
 tgtgtgtgtg tgtgtgtgta tctggcttta tgttgcatte tttccattg ggccactgtt 120
 ctgtgccaac atgcaacgca ataatctgtt acccacatc ag 162

<210> 8247
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8247
 tacatgatgg aaaggaagaa tggacgacga tgcacgacgc tgatgaaggc acagataatg 60
 acgaggacga agtgggggga cgaacgaggg agatggatgg tctactagaat agtatgaccc 120
 ctgtggtggg cgaacgagcg agattgacag acatcacagc cgcattgcact ctgcagtggc 180
 aacagatgga ggctcaacag cattaaccac gccaaagcctc gggcatgtac cagccggagg 240
 tgactcaggt gcataagaca gccacagtt gaggcgatga cgtgggggaa gagcacaagc 300
 gagaaa 306

<210> 8248
 <211> 600
 <212> DNA
 <213> Homo sapiens

<400> 8248
 gccggtacca taaagaaagt aggattaaaa tctaaaaaga ccccaaagc ttttcaaac 60
 ctgatctgag aattagataa gaatatgtca cttagaaaga caagcctgta gcacccatag 120
 ctctgattaa cctgaaagca tcaagtgact ccctcttttt ccaccctacc aacatcactc 180
 taattatact tccaattaga aaaataatgt agcatttccc tggcagtaga gattaaatat 240
 gagttcagga atcagctcct ccaaacatgc ataaatgagg acaaggagaa gccagtcact 300
 cctgactgca cgggtcaagtg tgtgggcagt tgaaattaag gtaaaaacag tgaggctgaa 360
 caaaatcaca ttaagaaaaa gcatctcatg aggcttttcg aggtcagttg atgaaggcca 420
 gataggagtc aatattttct catatacccc agctgttacc actattcata ttccaacagc 480

ctccagattg ctcgaggcca cctgggttgac ttttaccttg gagtcggtcc agaaaagcat 540

tattttaccct tgtgatattg tcttcacagt acctcggccg cgaccacgct aatcactagt 600

<210> 8249

<211> 434

<212> DNA

<213> Homo sapiens

<400> 8249

caggtaccac tatttggttg agatattgca cagtggaaaa tgacataatc atggatatgc 60

tatggtgtac gctgtatata cagttgaaaa ctatggagtt cgaaatggtg ggggagaatg 120

tgatatgaga aaaaagatat acatgtggta agaacctcta acaaggttaa tgtgcatgcg 180

cgaaggctca tgaaagatca gtgtgtaaat tggcttatag cttatacaaa aaaaaaaga 240

aataaaaaaa aaaatgacct cggatcgcca ccgcgctaact cactatgtga attgacggcc 300

gctgcgcca tccaccatat gggcatagct accaacggcg aggatgcata gattgagtat 360

tctatagtgt aacctggata ggttggcgta aatgtggctg tatgctgtgg ctgagagaca 420

attgtatcca ctcc 434

<210> 8250

<211> 258

<212> DNA

<213> Homo sapiens

<400> 8250

ggacgagctc cagtatattt cgtagataag gcacagatga aaatgacata gtcattccatt 60

gctatgagtg taagcagtct gtacaatgaa aactatggat gttaaagtat gagggaaatg 120

ccatgagaga aagagagaca tgtgaaacta acagctgaca aaggtaatgt gcatgaccga 180

ggtgatggga gacttcaggg tgtatattac cttctacata atagaaaaca aaagaaagga 240

aaaaaaacaa atacttgg 258

<210> 8251

<211> 434

<212> DNA

<213> Homo sapiens

<400> 8251

gcaggtgcaa gggcatgggtg ctgagggggc agggggaggc tgaggcagcc gaaaacgcat 60

tatttttctc tttgaatgat aaagataaat acaactacat atacaatata aacattagga 120

aactgagaca aagataatgg ttaaggttat aacgtaatcg taatagcaaa agattataat 180

agaaaaaag aatacgaaga ctagtaacat gaggaaggag aaggaaaaga gaaaatgaaa 240

catgaccgtg gctgagggtga agatgattca tggagaagga aatgtatatg aaagaaaatt 300

gagagagagg aatacggaga cacgaaccaa taccaatata agggcaatgg ttttgcatta 360
 agatgaaggt gacggagaca gataaaggct aagtttaaaa gtggaagttg atgaaaataa 420
 tagtaagggg atgt 434

<210> 8252
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8252
 cgtaggtacg gccctcccc tgtatgcctc ttcgtggcag taagcatgga atattgtaaa 60
 tggtaggact ccagtaattc cttccagtgg ctctactatc aggctaggct cagggtataac 120
 ccagggttatg gcatattcgt aggtagctgc tctctatgtc tc 162

<210> 8253
 <211> 546
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(546)
 <223> n = A, T, C or G

<400> 8253
 ggcaggtgaa ggacctgttt atctctgatt tctggagttc agcnactaga aaccatcaat 60
 agatgtctca caaaacatct ggaacaactg aagaccctg tggggactct ttcagacatc 120
 tttggaaacc tgcattctga ctcatcgcca gaggagtcag atgtggccac tgattctatc 180
 ccaagagaga tcttgggtcac aggaacctgc catttgaagt gtgtgtgtta cggcattggg 240
 aactttgcca cctgcatcgt agctagaaac cagctaactg ttttgctgct tttgttgga 300
 aagtgccaga ttcccagaag tcaactgttg gtatatgacc ctctgttttag ccaacttgaa 360
 attgaagtcc ttaacaccct tgggtgtgact gttctcagtg agaacgagga agggaaacgg 420
 agtattcgcg gggagcccta ccatctttta catgctccat tgtgggacgg ccttgtacct 480
 cgggcgcgac cacgcctatc actaggggaat tcccgggggc ctggcggtcg gaccatttgg 540
 ggagag 546

<210> 8254
 <211> 530
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(530)

<223> n = A, T, C or G

<400> 8254

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ccngggtgta acatgccata ccatgaccca taacaggggc catgcacacc catcagtgag      60
gaccttcggc ctagccatgg gacttcagtc taactatgtg acgctactca tactaggtat      120
agtaactaac acaatgacta tataccaatg aagacacgat gtaacactga agagcagatg      180
ccaaaggcac aagacaacac cagtgcacaa aggcaccaga tgcgggataa tgctatcgat      240
tacgtgagat gttattttatt tcgcaagatg tttctgagtc tgttagcact ccatgatagt      300
ctctacactc caaccaagag ggcaactggc aactacgagg gtaacggcgc tcaacacgct      360
agaagccgca ctactaaaca catgcgcaac acttgcataa agaggatcaa ccagcagagc      420
gaaccatagt caaatgagaa aaacacgaaa ccatacaata caagcgctgc ttaacacaat      480
aagaccgggt cattacaata ccaactgtgca tgcatcatag cctcccgaca      530
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<210> 8255

<211> 274

<212> DNA

<213> Homo sapiens

<400> 8255

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cgggcaggta ctcaccgtgc gtgacactca agcctgactt aacacagtgc atgtcatctg      60
atctacaaga agatacagaa ctggaaatga aaagacatgt ggcggactat cgggcaatgg      120
tggaattgca taacgaacct gtctagttag tctagcgtga tgctccataa tgatgcacac      180
ttggtgcatc atagaggtgt aagcaggaac caagaaccag ccagcagtgt ctacactttg      240
tgattggaca cttggggccgg ggaacacgcc tcta      274
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<210> 8256

<211> 418

<212> DNA

<213> Homo sapiens

<400> 8256

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agcccccccc cccccccacc ccggcccccc aaaccaccaa atgaagggca cgggaggagg      60
acacacaaca cgcccagaca cacagcacag cagggggccgc gaaacggaga caaccccccc      120
cccacggccc cgagaagaaa aacaccacgc cccccccac gaacaccacc aaaaaaaaaac      180
aaacccccca caacaccccc cgggaccac agcccaagag aaccacccgg agaaccaaca      240
accggggggg ggcggaggga ggccccgggg agcagggagg aaagcggaca gccagggggag      300
gccgcgacac ccccgcccc gcccgggaaag gcaggcggcg gcaagcagca acaagggggac      360
agaagggggg gcaggagcgg ccgggagccc ccagcaaaa ccaaccacaa attccggg      418
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<210> 8257
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 8257
 ggtaatatga tgaataataa agatgatgca aacacagaac atacttagtc agacatagat 60
 gagtacagat agatgttgag gtggctgggg agtcctgagt ggggatgttg gagaatggga 120
 atacgaaaca gcatgctcta ataatggaca cactgggaga gatgcaacta agggttacag 180
 actgcaagat gagacaacaa tgagccagcg tacacacaaa agatataaga ggaacacgct 240
 acagaaatca agcaataaga tgaaaaagat aggggtacaaa ccacacacat taacaaaagt 300
 ggctacaact gggaggaatg gagacaagag gctgtatctg ggtgctaagg tgacaagatg 360
 caaggagagg gaagtcacat gcaatgatgg aaaggacaga gagaccacgc tgatggtggc 420
 tatggactgg gtaccaccat gatcgtagct 450

<210> 8258
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8258
 ggggacagga tacggaggag aactcaatag catggtcact ggtgtaaatt ctgcattgta 60
 gatacacgaa gcagccttta cctattactg gagcctgcct tcactaacia taaatgaaaa 120
 agctgctatg cacttctaca gcaggctctg ggattgtcat at 162

<210> 8259
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8259
 gtaccattgg tggccaattg atttgttggg aaggaggga tcgttgaact tatttgatat 60
 ggaccggtag cgtagggctg gggacgggga cgaggagcac gatgtaggta gggacgatac 120
 atcataccgc ttctatttgc tgcacgactg accatgatag tactagccaa gtgatggt 178

<210> 8260
 <211> 594
 <212> DNA
 <213> Homo sapiens

<400> 8260
 aggtacacct aagttcacat gaagttgttt cttcccaggc cctaaagagc aagcctaact 60
 caagccattg gcacacaggc attagacaga aagctggaag ttgaaatggg aagtgaaact 120
 gtatccaagt aagcaggtaa ctgggcaaac ttcctacggc acaaattggc ttttagttac 180

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ctcctagtgc tgaatgcatt aaataaatgg cggattcctt tcttgttatg attaataaga 240
aagtttgtaa atgcagcctg gatgatgata agcaaatgct gactgaacat gaaggtctta 300
attagctcta actgactaaa ggcatttggt agttttggca ggggatgaac actcatctgt 360
ggctattcta agaccactct tatttccttat gtggagtcca acttgccctgg accagcttaa 420
tggttctggg aagttttaat gaaaacagta gatagactta atgaaaatgc tgatgggtgat 480
atgcttactg ctgagctaata ggcttaaagc ttggctgatg aatactgact gtattttcct 540
tgagcatgtg tggaacagcg gttatgtgtt ctccttgacc gtggttggga cggg 594

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<210> 8261

<211> 674

<212> DNA

<213> Homo sapiens

<400> 8261

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gtaccttgag aggtgtcggt aactttcctt gttaacgaaa acagtatatc acattttcct 60
gctgattaaa gttattaatt cagagactga aggggctgga cttgctacct gtatagaact 120
gtgtgtaaag gctcttcgct tggagtctac agaaaatact gaagtgaaa tatctatttg 180
catgaccatt ttatgtttgt tgcctgatga tctggaagtg taaacgtgct tgtcaactga 240
gtgaatatat tattgagtct acagtagatg cgtattatgc tgtggaaatg ttgtataatc 300
agacagacca gatatatgat gaagagaatc ttcctatacc aaattcttta cgctgtgagc 360
tgttacttgt attgaaaact cattggccct ttgatctaga attctgggat tggaaaatct 420
tgaaacgaca atgtcttgca ttaatgggag aagtagcata catttgtgtc tcaataggat 480
gaactaaatg acagtgagga tatgaaaaag tggtagacta ccaagaagag agtaaagaaa 540
cttctatgaa tgggctttct ggtggagtgg tgctaatttt ggcttctta aggacttggt 600
gatgaaaaga caaaaaaaga gaaagataaa acaagtaaaa aaaaaaggga ttaatatgtg 660
cttggattat gtat 674

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<210> 8262

<211> 324

<212> DNA

<213> Homo sapiens

<400> 8262

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ggtgaccatg tgagatgtgg attaccatga gcaaacacg acgaatgagg acacctctga 60
aatatataca aagcaacata ctgatgattg tgataacgtg ccgtaaagt aactgatctc 120
tctgtcacca atgacgacag aggaggcata taacacaaat ggcaaataag ggtctaggac 180
tgaggatcc agatgagact gaatgaatgc tataaataat cggtaggtac cacgcatatg 240
aatagagaat cttcgtgcga ttagctgggt aacaatattg gataaccttc atacgcatag 300

```

gaaggatatg tagtaaatta tatt 324

<210> 8263

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8263

aagcttggtta ttttagttttt tttttttttt tgtgggttta gaggggctca ggggggcgtt 60

aagggtgtgcc agactgtacg cgcatagtcc agaaaaaagg ggcttgaatt tcatgtgcaa 120

cttgggatgg ggggaaaggg ggacgtttga gaaggaggga aaacaggggg ggaatatattt 180

tcaaataaac cttc 194

<210> 8264

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8264

attggggcaa tctcaaaagt agtaaaattt tttttgtctt ttggcttaac tctacagtca 60

cagcagacca agtttcagct tacatttaat aggcagaagg ggagaaaaaa aattgacagg 120

aatgaaagtg cgtaagaaca tcacccttag aaatcaatta caaggtactt acatggaagt 180

agaaaacat ctct 194

<210> 8265

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8265

ataggccggg cctggaggcg catgcctgtg gtgccacctg cttaggatgc tgaggccaga 60

taaatgattg agcctgtgag gcggaggatg gggatacatt gttgattagc tagatgagct 120

tgaaaatata gagataaaca agatcctaga gtgcatgaag ttggcatgag aaatggaatt 180

tgtttggtgg atgaatctga aacataatgt tagtgacagt aaaaag 226

<210> 8266

<211> 162

<212> DNA

<213> Homo sapiens

<400> 8266

aatctatgac tgcatacagt tactaataca aatattaatt acaccacact ttggaagtat 60

aaaaatggta aggtaatggg gtgtaattga gaggatgaga tgagaggata gtttaggccg 120

tgtcttgctg cttacatgaa agaagacttg taacaatgaa tt 162

<210> 8267
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 8267
 tgatcagaac acatcagatt agctacagtg ttgggattat ggggtgtgatc tattgctgac 60
 ggattgtgat attgtttgtg tcattatattg gtcactttga ttcgtagat tattattgtg 120
 ttgtgttaat atagtataat atgtgtattc aatcacaaat taaaagacaa tatagttggt 180
 atcatcaaca gggaaatgatg aggaaggagt gtaaggagag atcagagact gcaagagaat 240
 aagtgcagag aagccagcag agataattat atatgtatta tataagtatc agtgtatgtc 300
 gtggttttca tattgctagg tagattcata aaattgagat ctctgtgata ctatagggtg 360
 tataatgttca acttgatatg aaactgtgat gtgttttcca cagcggatga tacggccc 418

<210> 8268
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 8268
 cgggtatatt catagttaag tgataggtac aattaaaaat tcatggcatg tgattaaata 60
 tctatcgaca catgctctgt ttattatgta attctgatat cttgaactag gatgtggatg 120
 tggattgtgg tctgataggt atctattgga tactactacc aggttgagtt gttcatgatt 180
 gacatggaaa actaccaatt gttataacat ataataatca tctatactta catatgggat 240
 ggttcattag ggtcgacagg tgtgtgcagt gtcccatgtt agtaatctga cttaatgtga 300
 aatttatgac ccccccttgg tgctcctatg tgggttagtgg atctattata ttttctttct 360
 gtttggtttt tctctttttt ctgtgttata accgttgtgc ggtctggaga atagtgacta 420
 ttttgtgtct gttt 434

<210> 8269
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8269
 ggtctaattc tctcttttgg aatgtagatt ttttttttac catgctttac gatgtaaaat 60
 atttatgttt tattgattcc tggatatctg gctgagggat tatacatgga acaggaagat 120
 gcgtggtgac tattcttgtc ggtgatgttg agagtctctc gtgactgtca tattgtagtg 180
 gtagatcata tattcactct ggtaggccgt gacttttagg cttagtccag actgtgtggg 240
 cggcgctcta gatgacttgt gtctgcgcgt ctgtctggag gacagcacta tgggatagat 300

cctaatt

306

<210> 8270

<211> 290

<212> DNA

<213> Homo sapiens

<400> 8270

tgtatatattct agaagctgat aattccagtt ctggcgaact aggaagatta gagcaagatt 60

ctcaatcagc gtatgatctt cggagaggtg tgggaatgtg ttatataaca ttcattcttc 120

gggtgtgctct tggactaatc aacttatctt ccataagatg tggttatggg ttctgtatta 180

gtggtggagg tgggatgaga cgcacttaat catgatgagg attaatttag atattgggtg 240

tgatagtgtc ttgagaattg ttaagcacta ttatgtaata gctatttgat 290

<210> 8271

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8271

gaggctgtca atgggtgtag agaaatgagg gctccctaaa acaatttctt tatgtatatg 60

ttagtcaaaa gttatcatgc tgtgactata gttatagcga tgaagatgaa gaaaaggcag 120

atgctttgat cagtttactc atacaggaag ggatagacat aagtgacctc ttcatgcc 178

<210> 8272

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8272

cggaggggata agaaggtaag taagataatg taaaataaaa ataagtgatc aaaaaacatg 60

taaaaaaaca aatatattta gagaacataa gttatgttct tgttgtggtg gtggaggtg 120

ggagttggtg aggtggtttc atcgtcaaac gaaacagcac gaaataataa agaagaaaat 180

acaccaaaaa acaa 194

<210> 8273

<211> 258

<212> DNA

<213> Homo sapiens

<400> 8273

ttgatcgaga agatgagaat gtggcttgtg atttacaaag aatattaggc ttatagtctc 60

agtaacataa tgatcatttg aaaggatatat gaatgtgttg gataacagtt tacatttgag 120

tgtgcttctc tataacatga ttgatctacc ctaatattat gattatgtat ataaggattg 180

ggacatgtgg atcaggtgtc cggatttgat ggtgacgatg atatgtgatt atgggtgtga 240

gagtgaatat tgaaatgg 258

<210> 8274
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 8274
 aggtactagg aaaaggcctg gctgccatcc atcgctgcct ctgaggggtgg agaaggagggc 60
 gggatgatgtg ctcaacttctg atcaacatgt gttgcctcct ctgagccaac ttctagctca 120
 ctgcactcac tctgggtcatg ataaatgttc gtcacctttc tgcttcattc cttagggcct 180
 aaatcaggaa gctgttttat cgatgggttc cttttgggtc agtaaccagc tttggataat 240
 ttctctctgat tattcaagtc gtgggacagg taaactacat tcagcaggaa cttttctcga 300
 ggagtgttat gtcattgaaa agacaccaa cacagcaagt attttaatga atacaccatc 360
 ccaggggggt cagtaagctc tgccctggca gaagacacag tgagaggggt ccacagttcc 420
 tgatgaggggt ggggtgtgggt acttgttagac cctaactatg gcaggtctgg gtcaccttta 480
 gaaactctca gagaaact 498

<210> 8275
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8275
 ggtacatata atacagtctg tcaagagaac tactgggttaa ccaggaaaac ttggcatgat 60
 tctcagcgat attgtgttct actgaaagggt acaggaatgc atcagataaa atataaagtg 120
 tgatgtgctc ttgcgacagc gtcacgcatg tgccctaaga tttagttgct tggatccgaa 180
 aagagggcggt tgtggcatta ggctcctgta ggcagtatga ggatgatatc aaatcatggg 240
 tgtgaacctt ggctgctg 258

<210> 8276
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8276
 gccgccccgc ggccagggtg caatgacacc tttgggggaag gaaaagaaag actaccgttc 60
 tcacccccctg accatttgggt attagcctgg ctgccctcaa aaacttccca cgctccccctc 120
 ccctgcgcca cctcctctaaa gatgacctgg atactacgggt gcctgcccc accccagtta 180
 gcctccccct actccctggg cctacggagc gcgcacaggg cgcattgtacc tcctaagaaa 240
 tt 242

<210> 8277
 <211> 162
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(162)
 <223> n = A, T, C or G

<400> 8277
 tatattaata tntgaatgtc gttgtgattc ttatggtact gtgatatatg ctatagaaag 60
 atggattgga gggtttgaat aggttatggt atagtcagga gagatagaaa tgggtgatgg 120
 gaaatggctg tggatatgata tgatatgtta ttctgatctt ca 162

<210> 8278
 <211> 402
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(402)
 <223> n = A, T, C or G

<400> 8278
 atcatgaaat atactctatc cctcttctgc ttaatataga tctgatctca tactgactta 60
 gaatacaatg atatatgtag tgtgtgagtc gtgcagtggc aaggtcagga atgatagtga 120
 tataggatat agtcttgtcg tggtgacggg atattgagtt tctattatct aacttagtgt 180
 cacaatcttg aagaagtga tagtttgaat cagaccagtt atcattcttg atggaggaaa 240
 agggatgatg anggtgggtg aacagcatct cctttgctgc ctctctgcct ccactatcct 300
 gtcccatga ggagcggaag aaccgttatg actgatgagt ggttcactgc atccctttct 360
 cctggcgtgg tcttggtctt agctgcactc tttaggggca ga 402

<210> 8279
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8279
 tgtattgaag taccaaactt attgatgttt ggtgctgata aagaatgtag actgtagaga 60
 ctagcagtaa ttacttggtc tacttaatga tgtcctatgt tttattctac atgcaaaaag 120
 aatgattgat cttcgagcat tgtaaagtgt tgtgggcggt aattattgtg gacagatgat 180
 tcttgatttt gagtctatac agatgtgcat tattgctgtg gaaaggcacg aggcagctgt 240

gtagctctta taaataagga tcaaataatta gctt 274

<210> 8280
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8280
 gtgatgaagt taaaattatt gagtgggtgc agaataagag tgtatacagt agagaataga 60
 agtaataata tggcttactt aatgatgtcc tatgtaatat tcgacaggca aaaagaatga 120
 ttgatcaccg agggatgata aatgttgtgg gcggttaatta tagtggacat atgattcttg 180
 aattagagtt atgg 194

<210> 8281
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8281
 tttggatgta ggacaactca tttgagaatg gtatgatgaa tggattgaat ctactgggtg 60
 ataaatatgc atacaagtga ccagctactt ggcgtcaatt caaaatacta ttgataatat 120
 aacaaatccc aagatggcat ggtacagaaa agtggatgat gtgcatactt aatgttca 178

<210> 8282
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8282
 cacagcagag ggcaagcggg cacgacgaag agacaaaaga cacaaaacaa gaaacacgaa 60
 accaaaaaca acggccaaac gcaacacaac acaccaacac aacaacacac acacacacaa 120
 aaacaacaca acgcaacaaa caaacaacaa caggacacag gc 162

<210> 8283
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8283
 gcaacacgag ccccatcac acagcaccgg ggcaaagcgc agagccggac gggcaccggg 60
 cgaccccgcg ccccgccgca gcaaaaacaa ccaaacacgg gcaaaaggag accctaacaa 120
 gccgagaagc aaaacgtcat cacacgccac ccctgcgca aaccgcccgg gaggagcaca 180
 acaagaagca ccagacgcc ccagccaacc cccagagcc ccgtaacaaa cgcccagaga 240
 gg 242

<210> 8284
 <211> 530
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(530)
 <223> n = A, C, T or G

<400> 8284
 gggcaggtac aagtgtgcag agctgggcct tcattccaca ggacataatg catggacaat 60
 ataatgttct acagaaagat catgccaaaga ccagtgatcc angaagatca tggaaaataa 120
 tgcacatcag tгнаааааа gaaccatag agcttaaatg tgtgtctgtg acaggattca 180
 ctgcactgtt tacttgggaa gtggaaagga tgggctatac cattaccctc tgggatttgg 240
 agaccaggg catgcagtgt tcttcccttg gcacaaagtg tattcctgta gacagtagtg 300
 gagaccagca gctgtgcttt gttttgacag agaatggact ctctctgatt ttgtttgggt 360
 tgactcaaga agagttttta aacagactca tgatccatgg aagtgccagc actgtggaca 420
 ctctttgtca tctcaatggc tggggaaggt gctcaattgc catacatgca ctataggccg 480
 ggatagaaaa tcgtcagctg gacacaggaa atttcttttt ggagagcaag 530

<210> 8285
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8285
 acaccaaaaa gtaaаааааа aaagagggcc gaacaacagt cataatgata aggtctgaga 60
 acaaaatcag gagaggatag tgctaaatgg ctgacaggat attagccata cgacattaac 120
 tacatctggt gaggaggcta catgactgga gaggcagcaa acaactggaa gccaaagaac 180
 acctcaatgc atgactcaga ggggatagca gcagaatata ctgcaccctc ggatccgaac 240
 taacatcaag gatataggcc taaagaggat ggagcttcta agatgttatg aactggtacg 300
 agagca 306

<210> 8286
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8286
 tgagaaggcg ccggggcccg gactaggcgt gagccgggga gggtagactg gggcgcagct 60
 ctgcggcact cgtctggtgg taataaataa actaaaccat gggtcacaag gtacgatccc 120

taatgaagct ccgagtagga caaaaatgct cgatgatgat gtcacttcct tctgttgcca 180

gaactttgcg tcgt 194

<210> 8287

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8287

cagttgcagt agtataaatc cgaccgtgcc tggcccagca ggacccccag gtggacctgt 60

tgacccaaac accagcatct ggggccgtgt agtacaggta ccctgtctga acgatagtgc 120

caaaaaactg caagtaagta tgggtgggata tagacccac cccactaaca cagtgttt 178

<210> 8288

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8288

tgtggtggct gtataggcaa gttctagcag cttctctttc cgacaggctc ctttccaata 60

ccaaccgctg gttgctcacc tgcattaacc acccccacgt gcggtctgtc ttgggggaag 120

tggaaatggg tggagatgat ggcctgagtg ttggatgggt agaaaagggt tgtcgaggag 180

gacgcgtagg cgta 194

<210> 8289

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8289

agcttttgtt tttttttttt ttttttttgg gaagggatga tgtgattttt tcttttataa 60

catgattttt aaagacatta tgcattgggg taacattccc ttgaaagggg gcttgcaagg 120

gttatgagcc tctagccgag ctggaatctg gaggaagagg cagagaagct tggggaaaaa 180

gaggcagggg aggagggggg gggcataagg 210

<210> 8290

<211> 162

<212> DNA

<213> Homo sapiens

<400> 8290

tgggtgataa gggtagatgt attattattg tttttgattt tgatgtttgt ttttttaatg 60

atgtgattat agggaaatat tatgtaaaat aagtgtggat aacaagtatt gaatagggaa 120

ggggatgggg attgtggggg agagagtgag ttgatagtga gt 162

<210> 8291
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8291
 gttgtgaggg ttgggtgggtg ttatttgtaa aaggggtgaa ggtgaattta gaatggactt 60
 atttgttgtt gtgttttagga ggtaaaaata atataaatga aagagtggaa gaatagtaaa 120
 agtaaggggg aaggagggat aagggattgt ggtttggttt gt 162

<210> 8292
 <211> 514
 <212> DNA
 <213> Homo sapiens

<400> 8292
 accgtttttt tttttctaga gtcagtaaata ataagcttga gttgaaagac tttacttatt 60
 cctgctgcta caatttaatt ctctaataat aatattatat tcagagtatg gcttattaag 120
 tacagggccc acatattgaa ccaagttcat gcagatttgg attgaagtta atactaacc 180
 aattacaggt tgactataac ttgactctta aatttgatat tatcttcaaa attataaata 240
 gattacagag atttagaact gggtataatt tagtaagatt aactttgcag tgttagaatt 300
 tttagcaaca aattttttaga atttttttag caaaaagagg aaatacacat taacaataaa 360
 atatgctaga ctggctctgt tggctgaaca gagcatcatg tggttaaaga actgtagaaa 420
 cgggcttacc aagggttgaa ttctaccac tgctctccgg tgatgtagct gtgttatcct 480
 ctctgctgta ttctcgggtt ctcttagggt catt 514

<210> 8293
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8293
 gggagcgcag ggagctgacg tctttccgtt acaaccctga gttctactct ggcattgggg 60
 actgtgaggt acacatactc aggtccaggg atggaggggt ggtcaggac gctatagggtg 120
 accttctggt tgtatatacg ggtgtgtgct taacagccaa agtttacctg agtccgtttt 180
 cttgggggtga tgaacagatg ctgtcttgcc 210

<210> 8294
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8294
 tctggagtcg gcaggatagc gggaacagcc actgggcttt ggggaaagga ctcgattagt 60

agatcgagag tattcgtttc tatgcattat caccagcgcg gcatgcatat gttctagggg 120
 cagatcattt tatatatctg agttatthag gttgattcat tgcagggggtc tagttacatg 180
 gaatgagggg agacatgagt tctgtaatta catgagagta ggtaatgggg ctttcttcag 240
 ag 242

<210> 8295
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8295
 gagtgagcat acattaggat agggatggat gctagtctaa gtattgtcga tgtgcttact 60
 actacctcct gtgatcgtaa aggtgattga tatataggag tggctcttgct atgtacgtgt 120
 atgagacaga gtggatgggt aggttaagaa gatggacctg ttgcgcgccg ttttgccacat 180
 ggtatagata gatggtgatg agtgcagaat aatctgatgc ttatgtgaat gagtacgagc 240
 tggatttgta cagccggt 258

<210> 8296
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8296
 ggcgcaaggc agcactgggtg gtgccggcat tcgagaccct gcgctaccgt ttcagcttcc 60
 cacaattgaa ggtggagctg ttggcggttg tggatgctgg cactctctac accttcaggt 120
 accacgagtg gtcccgaggc ctgcacatct acagactatg cccgctggcg ggaggctcag 180
 gtcccgtagc gtgtgcaatg ggcgggccgc tatgaactct acgtgggtgg gccacgagac 240
 tgtccccgct atgatcctcg ctttgtgggc ttcggctgga acaaagtggc ccacattgtg 300
 gagctggatg cccaaagaat atgagctcgt ggtgctgccc gagggcctcc gcat 354

<210> 8297
 <211> 162
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(162)
 <223> n = A, T, C or G

<400> 8297
 aaaanaagta ccacctgagt cagtgagggc cacagattgg tattaatgag atacgaaggt 60
 tgttgggtggg tgggtgtgtg ctggagctaa gtggataaga atgtagtggg agtggaggta 120

agaatgggtg ggggtaaagg aaggggggatg ggagggcggg gg 162

<210> 8298

<211> 354

<212> DNA

<213> Homo sapiens

<400> 8298

tcaaatgtag agtagagagg gaagggaagg agaaggtggg aagtgaaaaa agaagatgaa 60

aggaggatat agagcagaaa aaagaaaaga tgagtatttg tgaaagggga ggaaaaaag 120

aaaaaaagat tgaaaaggaa gaggatttat tgtatagaag taattgaatg aggaaaatgg 180

tgtgtttggt tgatttagat ttgtatatatt tagtaaatta tagttggggg tagagaattt 240

gtatgatata ggatgaacaa aaaaggggta gagagagtta tatgtcataa ttctgaattt 300

aattgtggtg tggagatggt aattaattat ataaaggaga aaataagttg ttaa 354

<210> 8299

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8299

tcagtgtatg acccgtgagg tgcctgagcg tatttgacgc gtttctgatg attctgcggg 60

aacagtgggtg catgtgccgc tagaccggcg agctcggcga cttgagtgat gacgacttgg 120

acgtgggtgct caacgacaaa gagaagtgtg agacgttagc cggacacgctc tgagccagga 180

gggaggtggg gttg 194

<210> 8300

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8300

tctggttact atgtgacctc agggagaagt tagtaagata ttgtgcatac acgttattag 60

atgggcgtac aagtgcatac aagtgataaa agaaggggtga gaagagatgt ctgaatccag 120

aatcgaaggc gatcaagaat tactgaaagc agttgagcga ggagaggtag gtttgatgta 180

gccggcagaa gaatcgctat ttaggaaacg gcaaactggg agtcgg 226

<210> 8301

<211> 533

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(533)

<223> n = A, T, C or G

<400> 8301
 tacactacac cagccgccag ctctgcccc aagacaagac catggagttt ggccgagact 60
 tccggatcaa gcactatgca ggggacgtca cgtactccgt ggaaggcttc atcgacaaga 120
 acagagattt cctcttccag gacttcaagc ggctgctgta caacagcacg gaccccactc 180
 tacgggcat gtggccggac gggcagcagg acatcacaga ggtgaccaag cggccctga 240
 cggctggcac actcttcaag aactccatgg tggccctggg ggagaacctt gcctccaang 300
 agcccttcta cgtccgctgc atcaagccca atgaggacaa ggtagctggg aagctggatg 360
 agaaccactg tcgccaccag gtgcatacc tggggctgct ggagaatgtg agggctcgca 420
 gggctggctt cgcttccgc cagccctact ctcgattcct gctcaggtac aagatgacct 480
 gtgaatacac atggcccaac cacctgctgg gcttcgacaa ggcaggcgtg agc 533

<210> 8302
 <211> 594
 <212> DNA
 <213> Homo sapiens

<400> 8302
 tcagggtggg gtccctctt cccttgccct tctctgcacg gtaactccgt ccctcggcat 60
 ttctcaatac cccttgcccc tagatccaag cctgtctctt gaggaacaac cgcgcagacc 120
 ctgcctcttc tgaccacacg acccgccctc agccacttgg tctgggtctca gacccctcag 180
 agcaggaagt gaatgaattg tgtcagtcgg tgcaggagca tgtggagctg ctgggctgtg 240
 gggctggggc ccagggtgaa gccgctgtgc gccaggccga ggatgccatc caaaatgcc 300
 acttctctct cagcattctc ccatttctat atgaagctgg aagctcccca agccatcact 360
 ggcagcttgg gcagaagctg gaggggcttc tgagacaggt gggcgaggtc tggcgccagg 420
 acatccagga cttcactcag ggcaaactgg acacagcaag gagcctctgg ccacagatgc 480
 tgcagggatt caggtggagg gaggagatag aggggtctg gcagggtggg aggggctccc 540
 ggagctggtc ccagagcagg ggtgggagat gccttgtgtt agctcaggga gatg 594

<210> 8303
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8303
 aggaggaagg tggtcggtgt gtagcaagat agtagagaga actatgtcct gatcctctga 60
 taggaaatgt gaagacggga tgttttgatg ggtcccaggg agctactgct tggtagaggc 120
 cccaggagga gggccaaact ctggacctca tttctgcagt gactaatctg gatgtacg 178

<210> 8304
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8304
 ggggtgacatg tcagatcttt gtacgtaatt aaaaatattg tggcaggaaa aaaaaaaaaa 60
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agaaaaagaa aaataagtaa 120
 gggggccgga ggggtattcc ctttagggag ggtgaatggt tagtttggag gtgggcgg 178

<210> 8305
 <211> 642
 <212> DNA
 <213> Homo sapiens

<400> 8305
 agtttcttct aaggcatcaa gagccccagg ctgaaaagca cccagagct ggagcttata 60
 gaacccaggg cagcagggttc tccaaccttc tgacatcatc agagcacagc agacaagtta 120
 tcagccacta gatttttttc cccctttctg aaactgtaac ctttcattcc agccattccc 180
 cagagctgga cagaggacgt ggctggctgg ctggtttctg tagtcagaat gacagttggg 240
 tgatagatct ccttcgtgaa gcaatgtctt agctcagtaa ctctgcagag aagctggctg 300
 gttcaggatg tggcttatgt aagaagatgg ccctggcggt ttacgcgcac tgggtgggtga 360
 ggctctgaaa gtggtagaag ggaattcttt cctagagttc agctgcccgc tgtcctgctc 420
 ctccaggggaa atgctgtgag atctgcattt agcctgtgtg tgctgattgt ggttctgccg 480
 cttcctggct gtgtgagctc agacaagtca cccacccct ctggggcagt ttcctcatct 540
 ggagaagggg agagtgcacc acacattggg ctggttgtgt ccatggagtg gctgacaata 600
 accagcacac acgagacatc agtagcaggt gggttcttcc cc 642

<210> 8306
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 8306
 cgttcttcta aggcataag agccccgagg ctgaaaagca cgccagaggt ggagcttata 60
 gaaccgaggg cagcagggttc tccaaccttc tgacatcatc agagcacagc agacaagtta 120
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<210> 8307
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 8307
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 tatatgcatt gaaaatggcc taatgtcata taactgatgg gggtggaac aggatggccg 180
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 accgcttcca ggttgcac cactcacagc gtgtgagtga cagtatcagg atgggtgccc 300
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 aaaggataac 370

<210> 8308
 <211> 450
 <212> DNA
 <213> Homo sapiens

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 ttaagaagaa agtcttgtcc ctacagattg cctgacctca gctacccatg aagggtggga 180
 agaggagtgc tgaggaagaa gtacaggaag gggacaacct cctcagacct gataggacac 240
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 aggcgccagg agtctcacgc gcggcactga tgtctcaagg gtgaccgag agtcgctgaa 360
 acagatacta gaggaggggc aggtgatagg ataaagtgag aggtactgag acttgcctggc 420
 gtgggtgagc ggctccgggg gggccgaacg 450

<210> 8309
 <211> 642
 <212> DNA
 <213> Homo sapiens

<400> 8309
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<210> 8310

<211> 370

<212> DNA

<213> Homo sapiens

<400> 8310

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<210> 8311

<211> 434

<212> DNA

<213> Homo sapiens

<400> 8311

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ctgtagggca tctgggtcttc tgtagagtc tgaaggacac tattgtcaga gctctgccct 180
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<210> 8312

<211> 482

<212> DNA

<213> Homo sapiens

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ccgccctttt acaaaagggt cagggcctct caagagctgg acatgaagga tggggcaagt 180

ccagtcttga tcggtaatgc ccacttgaca ctcccaggag cagcatcata gcatttatac 240

aactccttgt ctcatctccg atgctgggca cacaggccat atcagtggac tcccctcacc 300

cgtccattca gttacaccac ttaagcctgc ccatgaagac aatggctaag gtgacagttg 360

gttacataaa ttgaagatga gtctctctc cagatgcatg gtccgtgaag aaatttaata 420

gcaaagacga gaagaagata caagtcttta atagtctctt gggatatttc tcacccaaac 480

ag 482

<210> 8313

<211> 466

<212> DNA

<213> Homo sapiens

<400> 8313

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ccagcattgt gggagaagat atgtctggaa tgtgtatatc tgcggggagt gagaaaggaa 180

tgtcagcagt caggatgtct gcagatgggg aattagaaat ctgtcttagt gttgggtggga 240

gccagttcaa aagagacttc agaaggattg atggttttaga cgggggtatct atataggacc 300

tgtttagatt aacttcagtg gaatgagga tgatgtatta ggataatata gttagctgta 360

accagcaact gagctgtaac aaagccactg acacttctca ctcatattct atagtccagt 420

gagggtctag gggacagggg gtgctctgct ccctccattc tttctg 466

<210> 8314

<211> 322

<212> DNA

<213> Homo sapiens

<400> 8314

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gcccggatgt ggcagataag gagaaccatg gtaggagccg taagcagctg tgcgcaggca 180
gccagaggggt ctcgagggag gaaggcgagc gggcgggagg agcctggcgg cgggccacag 240
cttcaagagc ccaagccagc ggtgcggtta tccgggggat ccatatagag agggaggtgc 300
ggcgcacggc catctagagg gg 322

<210> 8315
<211> 562
<212> DNA
<213> Homo sapiens

<400> 8315
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cagggagaag cctaattcaa tgactggcat ccttataaga aggaaatctg gacacagaga 480
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gtgacaccag ggatgggcag ct 562

<210> 8316
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(418)
<223> n = A, T, C or G

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atggctgggt ctgcttcac ttaaagtatt tatactgtat gtggtcttct gctaattctac 180
tgatatctgt ggtatgatta ttagaatcat atatatttgt gcttgtgggt gaattgtagta 240
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gctttcttat tttatgctag tagtatgtgt gtgaggacag attagtgatc gagaatcact 360

ggaatgtggt ggtgagatat atatatnttc tccatatcta agtaagggat tatatttc 418

<210> 8317

<211> 242

<212> DNA

<213> Homo sapiens

<400> 8317

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agatataatg gagaagttgg ggtgggggtgc tctttgagga ctagctgctg ttcgtgtgcc 120

ttgtgatgcc ttcaggggtgc tgcttttgtc tgctgtcggg tggatgttta gggtgaccag 180

tggctggatc atgtgcgggtg catgtatact tgtatttgat cgcaggtagt tatagaatta 240

tt 242

<210> 8318

<211> 258

<212> DNA

<213> Homo sapiens

<400> 8318

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aaccacccat aagaacctca ttgtttacta tttggattgc tgtgtatata caagacagat 120

atctcccttt atggaaggag taatatgatg aatcggtatg ggatgggttg cgggtgtcttg 180

gtcgtgatca agctagttac tattgaattg ggggcgcgt gcatgtcgat catatgggca 240

gaaagtccta gcgtgggtt 258

<210> 8319

<211> 546

<212> DNA

<213> Homo sapiens

<400> 8319

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tgtgacgcc tctacttaca aggggtggca tttatatcag taacaggatc actggtgtca 120

tcatgagtag ggtgatatac atcaataccc aggaccaagc atgatcatcc tgctaatact 180

gtcatgatgt ggggtggggat gttccagaca ggaaccagag gacaggagcg cagtaccatg 240

acaagcaaga tgaccagatc cttcacagac ataggggaaa ttataatgac tctgcctttg 300

gactataggt ataaataatg gaatggtgaa ggcttatgga catgtgtgtc taagggtgaca 360

tgtaagcgaa tgatgagagg tgacttgagg cacgggctcc aaagaatctc acgatgtaag 420

ctgtccggcc ataagtgtt gagacagaac agataggacg agtaaccaat cggagggggcg 480

caactcacta tacaactatt ctatccactg tggaacgcat gattgtgtgg atggtacaga 540

tacggc 546

<210> 8320
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8320
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 agatgtattc agaagtaggg tgacagattt tttggtgaca tggcgtggtg ggggtggaaat 180
 acagtggagt ctgaagggtc ggggagcgaa gaatggcaat atcatcgac atccgtgctc 240
 cacacagcgc tagtgacaga tggagacctc atag 274

<210> 8321
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8321
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 agctattatt agaaaaggaa ggtgaaattg acatgggagt tagtaaaatg tataaggaaa 180
 atgattttta taggggaaag gtaaaggatt ttctggccgg aaaaagcagc aaaggacaag 240
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<210> 8322
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8322
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 agcactgccg acaccgcaa ctcaagccat tccaaccaa ggaagaaagg ctggcgtttg 180
 caccctctga ggggaagggt ggcttgtaaa acagcacaat tcggagtgga atgggaaggg 240
 ta 242

<210> 8323
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8323
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agagctaata caatagctag gagcaaataa tattttctctt atatagcttg aaggtagcag 120
 gtacagtagc taggtacata gtgaaagaag gattacgatg gtaatgaaat aatttggttg 180
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<210> 8324
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8324
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 aaggaggcgg gaaaaaaaaag acagatacgg ggaacatagg gggccccgcg gctccagggg 180
 cctcgaaagg tctatcgcg gacccccacc cccaagaaga aaaaaacccc aaaagccagg 240
 ggaaaccccc ccgggggggg gtaaaaaggg gggaagggcc cggggctccc 290

<210> 8325
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8325
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 gaaccctgtg tgagaccctc cactaccag cgactggcc ggtttaggag gaaatcaagt 180
 acactacacc aatcacggaa aggtctcctt gcagagccag ttaatt 226

<210> 8326
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8326
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 tgcagttgca ggctttatga agcagggtct ccacctccag taaattaaag tttttaaaca 120
 agtaccaggg gagaacgggg accctgcacc ctggattact gggactggca cagtgggagg 180
 aagggggggac cgtg 194

<210> 8327
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8327

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tttcttaata ctacaacttc atggacagag taggggtggg agatgaattt gactgtgtct	120
aaatcagtgt cctaaatggc tggttctgtc tgtgctcctt tgacagagag caagacagac	180
ggtaagtagg agattgacta taatggggag atgatcgact gtgtgtgaga gggggaaggg	240
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atgata	306

<210> 8328
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 <212> DNA
 <213> Homo sapiens

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ctctgccttt gaaattatcc acgtagttca gaaggcaaact acttgtaaa gggatcccaa	180
aaggtaggag acaagtagtt tttgttatgc attagggcag actttcaagc acaagacaca	240
aaattgagca gcaaatgttt gggtagtccc atctcccttc ggtttatatg tgggtagtaa	300
aataaataaa aattttcttc tttgtctctt tcttgaaata aaatatcatg tatccaaaga	360
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 <213> Homo sapiens

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<210> 8330
 <211> 450
 <212> DNA
 <213> Homo sapiens

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gccacagaat gttctaacgg gatcgagcc atcattgtta ttttggtgtt actgctactc 180
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 ggaggggttcg tggggtgata aaggatctaa tgaggaaggt gcgagggtag agaaaggcaa 420
 aaatggtgtg gtgaagattc ctgaagaaaa 450

<210> 8331
 <211> 229
 <212> DNA
 <213> Homo sapiens

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 actatatctt catcatgttt tcatttttat ttgttccgaa gctcccgaa aatctaactt 120
 gctaacaatt atttaaaggg aggagagagg aaagcaggag cagctgcagg aacagcagca 180
 tttttgggta cctgcccggg gcgggcgctc gacaatcact agtgaattc 229

<210> 8332
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 8332
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 cattcatgct tccataatgc gggtgctata gggatacgag tgactttcgt gaggccaat 120
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 gacatccttc acttttatcg ggtaatacta catgtatagt tcagtaatgc gggaggggtct 240
 ctatagacat tttgaatttc ctagcataat gtctcaggac cgtggtgaag cattatatgg 300
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<210> 8333
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 8333
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<210> 8334
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8334
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 agctatctaa cagctctcga ctgcgaaga cgctctgtcg ggattggctg taagcactac 180
 ggatgtcaca tgggtgtagtg gctgggtctgc aatgagtggg gctgatggct ccctgtgggt 240
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 tacacc 306

<210> 8335
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8335
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 aatgtgtggc ttatagtgtg aatgcacaga tatatagcca tatcatgtca tgttgtgtgc 120
 ggagttgggg tgggaacacg cagaaccgga gccacgtcag ctacacctca aaaagtgc 178

<210> 8336
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8336
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 aaaatgtgat taagtgtaaa gggaggtatg atgagaggat gg 162

<210> 8337
 <211> 338
 <212> DNA

<213> Homo sapiens

<400> 8337

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tgatacagag ggatctacgt ctaggtatgc tgatggaact agtacgagtg atgctcatat      180
gaggtctgcc tagcgtccat aggcagctcc acatgtacat tcaactgaaat gttgttgtga      240
tatctgcact gaggaagcgc gtaggttata tgactttgtc atatttggtc gtgtataggc      300
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<210> 8338

<211> 610

<212> DNA

<213> Homo sapiens

<400> 8338

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aaaaatcaat ttgatcgttt ccttaattac aggagtcatt gcaattagtt acataatttg      180
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ataatttata ttccctatct ccagtaatta actggcataa aatacagaaa taccaacaac      300
aagtagtgta cccactgggt aaagtgcata gactctgtgg ttagacagac tatataggat      360
tgctgaatca gatactacaa tacatagcag tatgacctta aaccattgta ttaagtcac      420
taatcttcta tctctcatt gtcaaaaaat tcgtgtatca gctacgtacg aatactagtg      480
tatgaccttc cacaatcggc ttaagctctc tactaatcaa tttactcata gtacaaaatg      540
gggaagaaaa cagtatggtg ttcggaacgc acacagtgac tgatggagag tatgtgctag      600
ggagaaggga                               610

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<210> 8339

<211> 194

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(194)

<223> n = A, T, C or G

<400> 8339

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tgaaagctat ataattagac attgtaaatt ccttagataa tttatgggna ttttatctga      60
agaggtaata tgacatattg gattactttg tgagtgtgaa tataaagata agagaaggat      120

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gagagaagga tggatgatg agggatgtgg atgagaaaga ggaagagtgt atgagagaaa 180

tgggattaga gaaa 194

<210> 8340

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8340

ctgacatcac cgactcatat gcttattacc accctgcttg agcaggctgg ctcccaacgg 60

agatgaacga ccgtgttcct gcctggttgt tattcgacat gctcaggact gcggggagaa 120

aggatgagat ccagcaggga agaactgcct gctgccagca cgcaggagag ggtggggctg 180

ccggccatta tgtccatacc aacacaatgt 210

<210> 8341

<211> 338

<212> DNA

<213> Homo sapiens

<400> 8341

ggtactcatg gatccatagg aaagcatgtc agtgccctggg gccacacta tacatggaat 60

tgtggagtat gaggaatatg gcacgacctt acctcttctt aagacagttg cagttcacag 120

ggagaggagg aagatacatc aataacccca aagtccatga aggtgcaaag agttatgtgg 180

ggctgcccag gcagagggtga caaatgccca ctggtgacaa gacactgggtg gacatagagg 240

gaaaagccca catagaaagg tttccaggca gacaggaagt caaggcagtt ggggacggga 300

agtcaaaca gtgatgctgg gacaccgctt tgatgggt 338

<210> 8342

<211> 322

<212> DNA

<213> Homo sapiens

<400> 8342

ttcctgataa aggggacttt ccatgccgtc aacagggaag tatctgaaca tactgcctta 60

taccgattgt actcactata taaggaaaat ggggtgcagta gtgtgggttca ctgagtcggg 120

tgggaacaat gatgggtgcag ataactgccca ggagtaactc attctggtga taatagatgg 180

gacgtgtgca gcaacacaaa aataagccga tgaaagaaaa gtcctcaata gagtgtgctg 240

tagtgtactg ggcaccagta ggctggtgc cccctggtac atgttacctt cggcacgcgt 300

accatcgctt attcagtaag tg 322

<210> 8343

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8343

tggtccagaa gttataagaa tgatatacta tcgattttta gaagatggat gaaaaagttg 60

tatgctgagt catacgaatg aatgaggtag acatgggaat gtaagtgtca ccatgttggtg 120

atatgtgtga tcttagggta aagatgaatg aaatatagtg agtatgctcc cattcttt 178

<210> 8344

<211> 160

<212> DNA

<213> Homo sapiens

<400> 8344

acctagaatt aaaaccaaga ctctgtgatc agaaatcttc aggcccggtc ccttggtgcc 60

tgtagacaat gaaccaaag atggcgagtt caacagtggg acacaggctg ggcattgatgg 120

ctcatggctg tatatcccag cacttttagga ggccaaggta 160

<210> 8345

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8345

gaatttagta aggctttggg cataatgaat tagaagcggg aagaggattt gtgcagataa 60

gttatgcttc ggggctactt ctcccatcaa gtcaaatctc gtctgaattc tggctatctc 120

tctagccatg ttgcttcgcg ctctcaacaa ttcaactggg tggttgaatt tagactccgg 180

gttctaattt tggg 194

<210> 8346

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8346

caaaaatttg gacgaagaat gatgaaaagt aaatttagaa tgtgctgtgc cgagaatgaa 60

agaaaaagca gcgtggggtc tgcgtatcca gactggggga gtggagcagg aaatcactta 120

gccagagtg gcgagaacct taaaaataaa aataaataa aataataaga aatggagcag 180

aaggcggtca taggagccaa ttttattaac taaaccaaac ccatga 226

<210> 8347

<211> 546

<212> DNA

<213> Homo sapiens

<400> 8347

ttcagagcag actaacgtgg gctgccatta tttctattta tatgtataag agtatgtctt 60

cgtgatctgt ataaaaagtg atcgtgtgaa agatgctgat tgtcagtatg ttatgtcaat 120
 gtaatcaaac ataattgatc tctttaatgg tgtaggagat gggattgttc tttgttaggt 180
 gatgatactg tcagtgacat acaaaataga tgaaagatta atcaatcaga cgaaactacg 240
 cttatcacta atgaagaaaa tgtgaactgg gggttgaaca taggcgtgag catcgggtgc 300
 cttgggtggtc ataatagagg tatgatgatc gtgtggaggg gatagctgat ctggtcatgg 360
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 gatctgattg tgctattgat agagtgtgtg aggcgtgagg atttgctgat tctctgcgct 480
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 gggcaa 546

<210> 8348
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8348
 tgagtacttg aaaaaatgaa agtgagagat gtaatactgc tggagacaag tgggtctactt 60
 ttactttctaa cttgtaatca atgtgagcga tgatccatta tcatccaaat agagtgtgga 120
 gactatcggg ggatacgtga gtgtcaagta ttccaatagc aattaaaaca aatgacatga 180
 cttcgagaca gctgactact tatttcggta atgtgatttg aatgtgcctg gcagtcgcaa 240
 tatatgagat cgttcacgtg atggctgatg tgtcgccagc atattatata gggtagcgaa 300
 aatggagtga gatgctgttg ggaggtcgat gagcatgtga ttaatggttg tctg 354

<210> 8349
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8349
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 aatggcaaaa tctacattta aactatagat gaatccaaag cttttagtga gagaaaggct 120
 ggtggggtgg gattacataa aatggaccag tgggcatatc tt 162

<210> 8350
 <211> 210
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(210)
 <223> n = A, T, C or G

<400> 8350
 ttngtgaggt ccggagggtg catgctgtag tgcccaaagt tgttgctgctt tttttattaa 60
 gtatagccag ggattacgta ggttcaaggt cccaccagat aatgtcctta atagaaatta 120
 tgttaaacad ttatatccct ctacaaaata ccttatcttc ccaaataaag attaataatt 180
 aggcagggtat taggagaatt aaaaaaactc 210

<210> 8351
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8351
 gctatgacag aatcattgta tgtgagctta aggtctctgc ataaaaactga agttaagtag 60
 ggtagcctgc ccgccaccat gagctgactt gaagagctac tccctgctg taagtatctg 120
 ttggcacagt atgtagtggg gcgtacgatt ccagaaacgc ac 162

<210> 8352
 <211> 854
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(854)
 <223> n = A, T, C or G

<400> 8352
 ctcagcattt aatccaaaca ggggttctta gtctcagcac tatgacattt tgggctgact 60
 acttatttgt taggcgggag ctctcctgtg cattgtagga taattagcag tatccctggg 120
 ggctacccaa tagacgccag tagcaccctg aattgacaac ccaaactctc cagacatcac 180
 caactgtccc ctgagaggag aaatcactcc tgggggagaa ccactgaccc aaatgaattc 240
 taaaccaatc aaatgtctgg gaagccctcc aagaaaaaaa atagaaaagc acttgaagaa 300
 tattcccaat attcccggc agcagtatca aggctgactt gtgttcatgt ggagtcatta 360
 taaattctat aaatcaatta ttccccttcg gtcttaaaaa tatatttcct cataaacatt 420
 tgagttttgt tgaaaagatg gagtttaca agataccatt cttgagtcac ggatttctct 480
 gctcacagan aggtgtggca tttggaaacg ggaataaaca aaattgctgc accaatgcac 540
 tgagtgaang aagagagaca gnagatcaaa ggcttttagac agcactcctt caatatgcaa 600
 tcacagagaa agatgctcct tatccaagtt aatatctcta aggtgagagc cttcttagag 660
 tcagtttgtt gcaaaaattca cctactctgt tcttttccat ccattccccct gagtcagctg 720
 ggtgaaggga gttatttttt caagtggaat tcaaaccaag ctcaaaccag aactgaaaat 780

agagattgca ggaatccttt tctaaactgc ttgtcccttt cctctcactg ccttttatag 840
ccaatataaa tgtc 854

<210> 8353
<211> 642
<212> DNA
<213> Homo sapiens

<400> 8353
ccgaggtaca tcagcattta atccaaacag gggttcttag tctcagcact atgacatttt 60
gggctgacta cttatttggt aggcgggagc tctcctgtgc attgtaggat aattagcagt 120
atccctgggtg gctacccaat agacgccagt agcaccgccga attgacaacc caaactctcc 180
agacatcacc aactgtcccc tgcgaggaga aatcactcct gggggagAAC cactgaccca 240
aatgaattct aaaccaatca aatgtctggg aagccctcca agaaaaaaaa tagaaaagca 300
gttgaagaat attcccaata ttcccgggtca gcagtatcaa ggctgacttg tgttcattgtg 360
gagtcattat aaattctata aatcaattat tccccttcgg tcttaaaaat atatttcctc 420
ataaacattt gagttttggt gaaaagatgg agtttacaaa gataccattc ttgagtcattg 480
gattttctctg ctcacagaag ggtgtgggat ttggaaacgg gaattaacaa aattgctgca 540
ccaatgcact gagtgaagga agagagacgg aggattaagg ggttttagaca ggactccttt 600
catatgccat caaagagaaa gatgcgcctt atcccagtta at 642

<210> 8354
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(338)
<223> n = A, C, T or G

<400> 8354
ggcaggtaca ctagaaagtc ttttacaana ataatcatcc ttagatcaac cagaagacca 60
atcttcaatg tncgtcctng acagagatgg gttacnnttt aacatccctc ctcttggttt 120
tcgtcccaat gttcctcctt taggtagtgg cgtggtaagt tggttggttg tggattgcca 180
ccccccctcg gaggaatgcc cttgcccata aggtgcctct gggttggccc actggtaagg 240
tcctgcaatt atcccctggg ccaataatcc cattagttcc ccaatagggt aataccccaa 300
gttataaatt cataatcccg ccccataggc ccacttat 338

<210> 8355

<211> 498
 <212> DNA
 <213> Homo sapiens

<400> 8355
 aatcgattga accgggaggc ggaggttgca gtgagccgag atgcactaca ctccagcctg 60
 ggcaacaggg ccagactcat ctcaaaaaaa aaaaaagaaa gaaaagaaaa gaaaagttaa 120
 gtgcagagaa tagtgcttga cacacggtat acagtaggtg caatttcagt attagttgct 180
 actattgtca taatcatcag agtggtttcaa gagctgtgcc tccatggctc tccacatcgc 240
 ttcacaaact cccctgttct gggaccagc ctgaattgta aactccaccc ccgactgatg 300
 ctaccctata agccaaacag aatcatggct ggggtagggg ctctaccctt tgggatctgg 360
 ccgaaccagg aagaggtaga gtggcctgga ggccaaccac aggtgattca gaatgttcac 420
 cacgtggttc atcctgtctt actcctgctt tacacgagaa gccaccatga ctagtctctc 480
 tcctgcgggg acagacct 498

<210> 8356
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8356
 tgggtggatg gatcagtga caagttagtg gatggatgga tgatgaatgg atgggtgagt 60
 tggttggtgg atggattggt ggacaagtga gtggatggat ggatgaataa gttatttggg 120
 gagacaaatg gaagggcagg aagattgatg ctccgcatgt tcctggcttt ctgcactaac 180
 tgtactcgac gtcactagaa aaaaaaaaaa caaaaacaaa aaaaaaaaaa aaaaaagtct 240
 gg 242

<210> 8357
 <211> 756
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(756)
 <223> n =A, C, T or G

<400> 8357
 tttctttcac ctgtcttcta attagagcct cttactcatc tgtagcacga gtcatttatt 60
 ttgtctagta caaagaatat ttcgaatact catgactaaa gagctcagga gttctagcta 120
 aagaagaatc ttgaagcatt ggagttttga aaatctgcat aaagattttg aagatttttt 180
 aaagattcat attataacag tataccgttg gtctaatttt tcttaatcta ctaaaaacga 240

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aatagcacag gtcagatgtg acttgcttgc tttctgctcc tgtacaatcc aggagtgtta      300
atcaaaaagc aaaatttgtg acatcagttt tatttccatg gctactgatt gtaatattac      360
aaacatgaga ttactggcta gttcatcatg aagggttaaag aagattcctc cttggatagg      420
atctccaaaa ccaacaccaa agggaatatt atcagagctg cttccagcag cgtgtccttt      480
caaaaatggt ctcattattc tgagagcttt gttttatttt gtgagggttt tatcatttgt      540
tgttgggtgt taatatttta attttatgtg cttgtttgtt ttatttatcc ctccacccca      600
ggtgaccgtg tangaaaatg gttatttttag atgtnagaag cccctctgtt aggaagcagt      660
ttctgccttc gtttaattct tcttcacaa ataagattta ttttggaact tcagtcaaaa      720
acatctgtac tttgtacagg acaaagattt ggcttc                                756

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<210> 8358
<211> 370
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)..(370)
<223> n = A, T, C or G

```

```

<400> 8358
cctaagtcac agttctgtcg gactgtgggt agaagactag gagatgggtga gtggagtgtta      60
aggaccacat gccganagaa gattgataga aaccatgggt aactgtcgaa tctgtcagtc      120
ccggcatgag tgtaattgct ttctctggag ggccctggcg ttctctccta cccagtggct      180
atgctttatc tatcgagctt gtgcccggtc tgcatttctg attatgttgt tgtgtattgt      240
gtgtatgtat gtattcgtgg gaagagtgtg ttcatctgaa gcctgtggct gaggattaag      300
gttaggattg ggtaaagatc agaatatcac gtccagatat cgcagcgact ccctgtggat      360
agcccttggg                                370

```

```

<210> 8359
<211> 626
<212> DNA
<213> Homo sapiens

```

```

<400> 8359
acactggctg ctccggcagtc acgccgggtgg ccggcgggag agcggggaga agcctgggtc      60
cgtctgggtc ttaccacacc atgctcctgc ttccacatgg cagagggaca gtcagcaggt      120
gtgcagcgcc ccagctccta cttgtctcaa cagtcctaac tggccatggc caagagttct      180
gtcagggcaa tcaactccct gacacaggcc agatggacat ccgggagaaa tccatagtac      240
tgtagctggt tcagagcccc acggaattaa gtcggaataa aaccacgaga gaaagaacat      300

```

tttcatgggc cctgcacgga gcctcctggg cctgatggag aggggcccc cccagaagag 360
cacagggtg gccccaccc ctgcaccaca catgcgcttt atcaactgaa cactcccaca 420
gccacacgga caggattcat tcaagtctgt gtatgtctga gcgcaggaga agaggatcta 480
ctgagctcta gctggagctt catccagcga tgattactaa tctcgtgctc caatgcagct 540
cccatectct cgaaggggat ggtcggcgac cggacgtcta cgtcttgggg cccgttcccc 600
gagctggggg atctctgacg gcttta 626

<210> 8360
<211> 210
<212> DNA
<213> Homo sapiens

<400> 8360
ggctgatcgt gctcgaggag gaaaggaacc gtaggttcac gacattgggt gtatgtgctc 60
ggctgaggag tgaatggggc gaagcagcat ctgttgggat catgagtga cggctctaag 120
tcagaatcgc gaacagagcg gaaagatagg gcagcggcgc ggagggtcgg gtggcctggg 180
atagcgggtc ggcgggcatg ctccgggggg 210

<210> 8361
<211> 338
<212> DNA
<213> Homo sapiens

<400> 8361
gcaggtacca aaataagagg agcgggtgca ggtaactgat atttactgaa tagtaaagag 60
ggaagcgtga aggggccttg gagaatgggt aacagcatct gtttccagct catcacaggt 120
gcacagcata agatgagagt tggctatgga tgggcaaadc actgaaggta gatcaaagat 180
gggtgctcag cgccagtcgg tctcatcgat gcctagctgt tatgtaatta ctggatcaaa 240
actagatgtt attagtataa gatatatgtc agataaagat agtattttaa attgtgttgt 300
aagataagag aacacatata aaaatgtgga ttcttaca 338

<210> 8362
<211> 578
<212> DNA
<213> Homo sapiens

<400> 8362
ggtacatcag tctcagattc atcccagaaa aaagaagagc acaattattc tctttttgtc 60
tccgacaact ggggtgaaca gccaaactaaa tgcagtcctg aagaagatga ggaggacgag 120
gaggatgttg atgatgagga ccatgatgaa ggattcggca gtgagcatga actgtctgaa 180
aatgaggagg aggaagaaga ggaagaggat tatgaagatg acaaggatga tgatattagt 240

gatacttttct ctgaaccagg ctatgaaaat gattctgtag aagacctgaa ggaggtgact 300
tcaatatctt cacggaagag aggtaaaaga agatacttct gggagtatag tgaacaactt 360
acaccatcac agcaagagag gatgctgaga ccatctgagt ggaaccgaga tactttgcca 420
agtaatatgt atcagaaaaa tggcttacat catgggattt atgcagtaaa gaagtctcgg 480
agaactgatg tagaagacct gactccaaat cctataataa tcctccagat atgcaatgaa 540
cttcggaaat tgaattaggt gattattgat ctgacttc 578

<210> 8363
<211> 194
<212> DNA
<213> Homo sapiens

<400> 8363
gagggatatat aactaggggc atgaagtgtg agctatcggt aatgagaatg acgtttgggt 60
tgctatcgct atggctaaga atgggattaa gagaggaagt ggcaaaaaaa gaatggacgt 120
attatgaggt tttatgccgg agcgactgaa tatacaagaa tgggggagaa gaagcttttt 180
agatgtcctt aata 194

<210> 8364
<211> 226
<212> DNA
<213> Homo sapiens

<400> 8364
cgagtactaa aatatctagt tgtttgatag ataacttaaa ctcattaatg atagatcgta 60
aagatctata gtcagtctca caacagatga ggtattatgt gtatgtaagt ttcagcggtt 120
gtgattgggt tctcttttgg aataatgaga gaataaagtg tgtattcttg tgttttccct 180
gataaatatg cataagggga tgggggttaa cagtgttgaa tatctc 226

<210> 8365
<211> 306
<212> DNA
<213> Homo sapiens

<400> 8365
tactgaaaga tatagttaaa agatcaataa cttaaatacag aattaatggt acgtaaagtc 60
ttatgtttca catcaacaca gatgaggtat tataagtata taaaagacgg tgtgtgggga 120
aagctagggg taagtatata aagtgagaat tcgggtgttg tggagtgagt gttgtggtat 180
atgtgcattt ggggtggggg ggtcaagtgg tgcataagat gaggaaacca tttctgcttg 240
gggtaatggc acatctcctt gcgcataatg gtattgaata tcatatatc tatggagaaa 300
gaagtg 306

<210> 8366
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8366
 gaggtactga aaagactcag tcagcccat catgactctg atgaaaagag aggatatgtt 60
 cagaactatg gtcagtatct tccctgtcta agggattata agtatcttcc cctggcagag 120
 ctgagggggc cataggtact gatctacagt gatcacagtc ttggtgtgta gagagtgatg 180
 acagctagct cgactaggga gggagtgcc aaggtgaat atggtgagag aagcctgtgt 240
 gctgatggat gtttactcat ctctcggac gtggacgata ttcactatct 290

<210> 8367
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8367
 aggtgcatat tgaggctact tagaggaatg taagacaaa tcctgtgaat aataagcatc 60
 actcagaacc aacagcgaac agatgtagtg ttgtagagtg gataagtact acaaggctca 120
 caatactacg gattattatt attaatgggt ctctgtgaat agaaagtata cggggactac 180
 ggagaaaaga ttgctactga gtcattgatta gttataagag gatgagtaac aactacaatg 240
 tgttctgact cattgtgtga cccagcacca tcaccattcc tatgcatctc 290

<210> 8368
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 8368
 taccagcaga gtcagtgggg ctagttgtta tgtcctgtat cagtcactgg tgatgggcct 60
 acctcatagg agataaagat tttctatgta gatgcaagta aagtgagtcg gtgtagacca 120
 gaataatcct cttctaaaga agggctctatg gatgttctag ggagtatgat ctctctgatg 180
 aaagatcaat agttgtctag agtagatttt tatttcttgg gatgttgagg tgggaggatg 240
 gttagatact ataaggtagc gggtgattga gtcgagattg tgtcaatgca tcagacttgt 300
 gtgatagagt gagacattg gtctgtttgg aatctggatg atattggctg tctctttctg 360
 atggctcgttg tttctccact gtatagatca tcatgatagc atttggctga gtaatatatg 420
 atagaagcgc tgtgcgggag ttggaggata gagatgaatc ggggta 466

<210> 8369
 <211> 194

<212> DNA
 <213> Homo sapiens

<400> 8369
 gggagggtaaa ataagagggga ggaggggggtt tagggaaatt gatttttagtg gggatatatag 60
 aaaaaaaaaa atttggaggg agaagattaa agaagttgag ataaataaaa tataaataag 120
 tgtattaaaa agaaaataaa aaaaaatggg taaaaaaaaa agtaaaatat aaattttgaa 180
 aataggtgaa tagt 194

<210> 8370
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8370
 gaggtgggtgg ttgaggagag gttataaggg aaaggataaa gaaaatttat tttatttata 60
 aaatggagtt tttcaatttt aatttggag ttagaaaggg ataaaaaaaa aaaaaatgat 120
 gggataaat aaaataaaag aaaaatttag ggtaaaaaag gttggggatt ttgggatttg 180
 ggtttgaggt ttgaaaaaa gggaattaaa ttttttttta taagat 226

<210> 8371
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8371
 atgaacaact taaaaaaaaat acaaaacctg gatcaatggg gcttctggga accgcgtatc 60
 ttcccctcac ccaaggcagt gggcatgaat ctacttttaa aaaatgatta attttggcca 120
 tctgagaaga aaagagccta aaattgggtg atgcaacgag aaagtgaag tcgagggaaa 180
 atgcagttta caagtctctg aaatctaag 210

<210> 8372
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8372
 gtacaaatct tatgtggtac ataataaaca ttgtaaataa ctaacattct ttacacatct 60
 tcattggcct gctcatctat gtttctaagc caatagggtga tgttttaaaa ttatgtacag 120
 taggtgatgt gatataataa catgaataac atagagcctc agaattaggg agtagtgatg 180
 gtgtgaaatc gattatgggc atctgtatcc catatctgta actagatatt ttttactagt 240
 aattcaacat gttttgatct tgaagtatat tactatagtg ggaataaagg taataaagaa 300
 aggatc 306

<210> 8373
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 8373
 actttcaa at agctagttgg atagtttgaa ttgtataaca gtaatacctg gataatactt 60
 actcgtatat gcgtgattaa tacactctga atcatataga tagtgattgt atgcatgac 120
 tgcgagtc at tggттаagag ctgaacgact atgtggacag tatgttaa ac atggaaaaga 180
 tggaaacaaa aagagaaa ag gatcccaatg agaaaaataa gaatgattat tagtattgca 240
 atgtgaaact taaaggga ag aaggaaaaga taaaaacgga ttggtattac tgaatcagtt 300
 gaatagaatc ggataaaaaa caagcagga tagcggatca gacatgtagt aaaagcaact 360
 cgcccgatct ggccgcaaaa agcacc 386

<210> 8374
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 8374
 atttatttca ttgctgacca ttaggttgca gcatgcaact ctcaacaatg agctgccct 60
 ctccactcct atagaagctc caaatactat ggtaccacta ttaggttttt cagcctttca 120
 aaggctttta ttattaacat catcattaca gaataaacat tgtactacc tcagggacca 180
 aggaagtaca tagggttgtt ttccttttct taaaatagcc ccagaattat gtttgctttt 240
 tatagctttt ttaatctctc ttgtcacttc ttgctattaa tggtgctcct gcctctggga 300
 ctctgccggc cgctccacc cagacttaa acaacatctc accaattgca accggatcgt 360
 gggtgaggact tccgctatca ttttaggctt tactaccacc atctcctcgc gggcagtg 420
 ggcaaccgcg aagacagaat ttcacaaact ttcagctcca gcagtttcaa ggaaatgtta 480
 aatgagaaga tggaagaccg agtgtgaaga gctaagaaaa caaaaagggg 530

<210> 8375
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 8375
 tgaagggtga gtcctggga cctcagacag atccttcct ctgacctgc cctgttggtg 60
 gtatatctgg ggagtgtgtg gccagagaa gccagtgata tatccaggtc acacagcagg 120
 cctgggtcta gcatctgtct cctggcctcc aggccattgt actctccaca gcacaagtcc 180
 gcctctcagg ttcttttatt tacaatgaaa ccatttactt acacagttat cgctgccac 240

tgggcattct ttgggcaggg agatggagtt ttgttaggtg ggctctgcat acctatggga 300
 actcagtgat gtaatgcaaa gaaaaataaa cttac 335

<210> 8376
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 8376
 ggggggtggt ggggagacgg gggctttgga aaggaagcgc cggggagacc actggtgttt 60
 tagcgagaag gggggagcct aattcaaagc cgggggggcg gagccgataa tagggtgtgg 120
 ggggggcttt ggggattttc ggtgtggggg ggggcttcca ttttttgggg gggggggggg 180
 gggtgagcgg cgactcctcg gaaagaaaag cgggcctggc gggggggttg ggggaggcca 240
 agtccggggg gggggggctg ctttttttcc cggggaaaat ggggtgggggc aaaaaagggg 300
 gggggggggg gggcttttgc cgctgggttaa tttgtttccc ttttctttta attcgcccgg 360
 gggagttttt tttttttgga gaggaggggg agtaaaaggt tatgcccagag cggcaacaaa 420
 tattttgaca gaattgcgcc gccttgctcg tgaacaaaga gaaaaagaag aagaaaaaag 480
 ac 482

<210> 8377
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 8377
 ggcccacccg cgggtctctg ccacctgttg ccgtccatca cggggccacc cttcttcatc 60
 ctccgtcctg tacaatagct cagcaaagcg gctggcggac tggcccggga tctgctgctg 120
 ctccagccat ctacatgaca accagagcct gggaggagct ggatggcggc ctgggcagtt 180
 gctaagccct ggaggactac tctgtgctgg ccgagaccga ggaagacagg gcttcagcga 240
 tactcaggct ggccgacttc ggcagcgcgc cccacgactt tgaggtggct gaaggctggc 300
 atgtggacac caggaccaag aa 322

<210> 8378
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8378
 ttagtttggg tgtattttta gattatggta taataatttg aaattataaa tataaataag 60
 tagttagaaa gggtttgaat taataatttg gtgaacgggt ttaatcgata ggtgttgatt 120
 agatgaaagt tagtaggggt atgtttatta tgggtgatag tt 162

<210> 8379
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8379
 aaggatgcaa ctctgtctt ggatagcact acgtcttgac cttgctcaaa acggtgctac 60
 taaatcaagt actacacaca aaaatgactg gcaagaggag catgtactgc tggatttata 120
 gatgatttgg aatggaattt ttacgttcta gaatccctaa cccaccagga tgctcacata 180
 tatgtttgac atgccacaag aaagacacag acaatgaaac atcttcggtg tctagaataa 240
 gaactggaac gtcgcgag 258

<210> 8380
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8380
 tattgatgag atctcccata tgatacttct cagtcattgta ccattttgga tattcgctct 60
 ttcaactgtat atattgtgtc ttgtgtttgg agtgtaagtc tcagatcaga ggatctgttg 120
 agtctatagc ataacccaaa tggagctgct aggatttatt ca 162

<210> 8381
 <211> 210
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(210)
 <223> n = A, T, C or G

<400> 8381
 gctactagtt atcctactaa gagaaaaggc aacatggaca gcttcaaatt tcgcaatgta 60
 agactagcca ttaactgggg cctggacgtg cgcggcttaa ctttggacat aaccacatag 120
 cgataaattt tacgacccca gtgaaaacaa tgatttccat acccagctct tattccttca 180
 ccataaagat tctgtgtnag caatttaaaa 210

<210> 8382
 <211> 562
 <212> DNA
 <213> Homo sapiens

<400> 8382
 ccatagtccc tgcagagatg aatccagggtg gaagaatgca gaaaagcttt agaaggcata 60
 gatgagaaga ttagcaatga agtcttaaaa agctcaccat catatgcaat gaggagaaaa 120

atagaagaaa ttaacaatgg gcttcataat gttgaaaaga tgttgcagca gaaaagcaaa 180
 aatattgaga aagctcacga aattcaaaag aaaatgtggg acgagttaga tctatggcat 240
 tccaaactaa atgagctgga ttctgaagtt caggacatcg ttgaacagga cccaggagag 300
 gctcaagaat ggatggataa attgatgatt cctttcaagc agtatcagca agtatcacag 360
 agagcagagt gtagaacatc acagtagaat aaggccacag ataagatgga ggaatatagt 420
 gaccttctga agagcactga gggctggata gaaaatacac gtcatttgct ggccaatcct 480
 gctgactatg aatctttggg ggcactgagt taccatggta gcgatgtgca gatgggttag 540
 gaagaatcac cagcggaagc aa 562

<210> 8383
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8383
 actggcagct acgagcaagg ccagcccgcg cagcacctag atagaaggca cgtggctgca 60
 tcccgacggg tacagcctcg cgtctttcgg gactcgcttt ctctgttcg cgagtcgtgg 120
 gctctgggcg ctttatcccg aggaatacta tgacagtgga catcaaaccg agcgctatag 180
 caaggcagaa cccgaggagg gagaaagacg ggagccggtc cttgaaagcg ccaggagaca 240
 gc 242

<210> 8384
 <211> 697
 <212> DNA
 <213> Homo sapiens

<400> 8384
 tggctgcgca ctcggcctga gaaactcggc aagcgcgcag tgtcgactcc ccggtctatg 60
 ccaggcgcac ctgaggaacg aggtctcact atattgcca gactggtctc gaactcctgg 120
 gctcaaacag tccccctgcg ttggcctccc aaagtgatgg aattacaggt gtgaatcact 180
 gcatctgact atggcaagga tctctgtcac tgaggtaagt ttggcttaga gattaaagct 240
 ccttctatct tgtgatgcca ccatcacaag gttctcaagg ttgttggtggg agaagagaag 300
 gctaaaggag ctcatagaat gcctttaatg ctaatccaaa agtaaagtag aaacttagaa 360
 aaagattgcc aattccaaat caacatatct agagaaaatt ggaaaaggag aagcttacta 420
 cagctttatt tgaggacttt ttaaagaacg ctgggttcta tctgtgagct gcaaactctg 480
 gagcaaaaac cagagacatt gccagagcaa acaagaacag aaatacaaat ggagaactgg 540
 tcaaaagaca taaccacag ttatcttgaa caagaaacta gggggataaa taaaagtctg 600

gaggcagatg aggcaatgaa tatgaattct gagaaaagta tggattggaa attcaatgaa 660
 ttaatttaat gaaattaaat gtgagaaaaa agaaagg 697

<210> 8385
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 8385
 aggtgagttg ggagtcagtt cagaaagggc agaggggtccc acaacaggac cagaacccag 60
 cgggggaacc tggagagccc cctgcgtggg ccaacttact gttccatcgc tcacccacct 120
 cgcgtccaca gagagccctc ccacactgcc tggcctccct ggccaccaag gcgctgccag 180
 aagacaaggt caccagataa tctgtcctca gagagggctg agaaccacc cggggcagta 240
 tggaggaacc ctaaagaggg agaaagcaaa atgggtgaga gtccaaggga gggagggaga 300
 gagagtggct gcagcgggag ctgagaggag ggaggaggct ggctgggatg cacttgatcat 360
 gggagcaggt ccagggcggg caattc 386

<210> 8386
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 8386
 gacaagcata agtacatact ggaattaaaa tactctaaga agaagaatcc taatgcatgc 60
 caaataagtt ctaaataatgc taaaccagcc ttcaataaag ccatatgacc aactgataac 120
 aacaatctaa atactataca aggtaactgg cgcaagattt gatggagaaa agaccttcac 180
 atcaccacct cagtccttca caggccaggt cctcctctct ctgagacagt agggctgaac 240
 ccggggacac ccagagagccc tgtaacacgc agccagcagt ctgctgagct cgttgatgcag 300
 acgacaaagg gaacacagaa cttgggtctc aggggctggg caggcagatc caagcatgag 360
 caattagatc aaaatagaag ccttgtttca aagaaaaaaa ttgtattctt ctaagtga 418

<210> 8387
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 8387
 ctgatggcgg tagcagcgcc cagtcgagca cggggcagcg gctgccgggc agggctctggt 60
 gcgcgagggg ctggggcgga aggtcgagag ggcgaggact gtggcaagggt ggggctgctg 120
 ctggagccct catttgagat cgatgacagt gacaacttac ggaagcgggg atcaatgatc 180
 tggacacagc aggatggtac cttgtccctg tcacagcggc agatcagcga ggaggagcgg 240

ggccgactcc gggatgtggc agccctgaat ggcatgtaca gggccggat cgaaaggcga 300
 accggggcac ctggatggac tgcaagctgg tggctatgtc tcactcctaa gtcaatgcgt 360
 gacccccgct 370

<210> 8388
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8388
 tactcgaatc gttgtgattg ttggctgaat gtttcaggct atatatgtaa gagatagtag 60
 atacatgtct tattcttaac tccaagaatg cgtacttttag gtgagggtat tatgaatatg 120
 attaatccac catgtaatca tgactatttt agggtcatta ttggcgggta tgggtgatcc 180
 atagtatcct ctagcttctg gcaaatgatg gtgactgctg tatcta 226

<210> 8389
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8389
 aatgatgttg gattatgttg cctgagatag caacagaggg ataggtgggg cggtaaaggaa 60
 ggtgtatgat cttttcgcta tggcgggttac cagtaatatc caggatccta ttatcgagtc 120
 actcgtctac atatgtggct gagggcaatg ctgtaatgtg aaattcgact gtatggtggt 180
 aagataccat atgcctgcgg taacccttcg atatactctg gaatagtact gatttggttc 240
 gtttttcaaa ggtagagctt gactcgacga accc 274

<210> 8390
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8390
 gtatcgtgat tgtgaacaga ttatgggtgca agtggtattg aagaatccaa gtgaagtaag 60
 ggacaggcgg tgtatcactc aaaccagtgg gataacacag gtaccacact acatattcct 120
 tccgtaggct ggatacacca tgagtcttgt catagaacag cc 162

<210> 8391
 <211> 194
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(194)
 <223> n = A, T, C or G

<400> 8391
 atgtctgtcg tctccataca tactggggtg tacagtagat gtgatgtcag actcangatg 60
 gttatgtagt ataagactgt ttaaacctgc tgccatttga ttgacttcaa cagaanagta 120
 gtactccac tatcggatag tttcagtgag tgataatagc tggctcggat agatgtcatg 180
 gattcatccc agtc 194

<210> 8392
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8392
 ataaaatgaa tggataagag tgtggataaa ctaagaagga aggagaggggt aaagagatga 60
 agaagattag tgatggggat aggggattga aattattaga aatgaaagag gaatagaaag 120
 aaaagtgaag gtattaagat tgagttgata aagtaaaagg aa 162

<210> 8393
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8393
 agtgtagat ttaaggtatc ttatgaacag aagtaaatta gattgatagg aaagaaatag 60
 taatggagtt tgagtaaaga aaatgaatga tgtaataaaa aaagtaaaaa ttggtgaaaa 120
 tgtgaaagggt gagagtgtta taatggggaa tgtagatata gaggtaattt aatattggat 180
 tagagtatta gatataaaaa atgaagtga atgaaaatta tatattaata ataggtgata 240
 atggtatgta tttgttat 258

<210> 8394
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8394
 gggttgaca cctggggggg cccaaacaca gggacaaaca ttgtgtgcgg ctgtcgcttg 60
 aagaaaagca aaatctaccg ggagggctgc ggcaggggcc ctcaaaaagg gggggcaaaa 120
 caactttatt ttaatagggg gtattggccg ggggggtgggc ttactcgagg tgatcttggc 180
 cccgccccca cccgggatgg gccttaaate cataaatggc ctggcctttt tattgcggtc 240
 ct 242

<210> 8395
 <211> 386

<212> DNA

<213> Homo sapiens

<400> 8395

tggaggaacc tcaggaaact cgcccagagt cacagagtgg gtaatggaga cagcaaacat	60
gtgccgacca cttagtgcac accaggttcc taagggtctc tcagaaccct gaaataatcc	120
tgtggagcag atgtgatata gacccgtatt tcaaatgagg ggatttgggc tgagggtggg	180
tacgggactt gcctgaggtt aactgaggtt acaagcacca gagccaggat tcgaaccaag	240
gccatcgggg tcacaggcac acactacccc ccttcctctg ctggctctga caactcaaac	300
cgggctgcag catgggtgtg ctctttccac caagggaccc ctgggggtggg gctgtttggc	360
ctctattacc gtccttatt tcttat	386

<210> 8396

<211> 290

<212> DNA

<213> Homo sapiens

<400> 8396

ggtttggcgc atggataatg agctggacct acatgatgaa tagaagcagg gatgatatga	60
taaaagacgc tgggctttta ttgatctggg gtcctttcc cgggggagtc cggtgagtcc	120
ctttccaggt gggtttgcac tcacacgagt gggcgggatt atcatccaca agctggccaa	180
gccctacct gtgggaggct tgatggcagg gcaccatggc tgaaatacac gcttggggga	240
acagatcaag aaagaaacta cgcacaaaaa gtgagcgggg catgcacca	290

<210> 8397

<211> 162

<212> DNA

<213> Homo sapiens

<400> 8397

tgcattccctg aacacctgtc tgggggcggg ggggtgtggg ggaggagac ctgagccgag	60
ggactctgac gagatttggg gatgtcctac gggcaggagt cattgtatgg ggggtgtggg	120
acagtgccta gaccacaggg cacggcctac tcagaagggtg ga	162

<210> 8398

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8398

gaagagccct ctgctggcca accctgttgg aagaggacac tggggatggg agtggcgagg	60
tgcagggccg accggagaca ccggcagaag aagagatgga gacagacacg gaggccggag	120
tgtctgcgga aaaggagggg gatgacacag gtgccctgct ggccgacttg atcgactgcg	180

cccctgatga tgagaagcca gcacctccca tgagaccga ctcta 226

<210> 8399
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8399
 accaaacaaa ctacaaaagg actcatacgc tactagccgt gagagtctct cttgctgtgt 60
 tgacgatgac gagtgggtgt ttctgaacct gattgacatt gatgaaaacg gatgcatgta 120
 ccataatgcg tctacctgac atgtgggttg cgagcacata ga 162

<210> 8400
 <211> 354
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(354)
 <223> n = A, C, T or G

<400> 8400
 ggaagcccg aagtccaata tagcagatgt cagcagacc agctttgcct gcaagctgaa 60
 agaggagacc cticcttgct tgtgtctagc ttctggtgat cgtcagctgt cctcgggac 120
 ctgnggttcg cggcacgtca tgaccatctt ggctgctggc accgcggggc atcctcctgg 180
 gtcttcacac tgccttcctt ccgcgtgtct caggctctaa attagccctc tactaataag 240
 gatgccaatc actggattag gggtcaccat attctagtac aaattcatct tatatatgat 300
 tacatactgc aaagatccta ttacaaaata aagattaatt aataggtccc aagg 354

<210> 8401
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8401
 aaactaaaag ataactcgcg agggaaacca ccaaaccac aaccctaagg gcaactgatgc 60
 aaccctcaa gaattgtagt gggaacacag gtcactgcc ccaattctcg ttgaaacatg 120
 actcttcac tttatggaatt catatatata ttctgcaagg acgaggcagc gaaatgtggg 180
 aagtgacgac actgatgggg aacactggga ctgaggtcac ggagca 226

<210> 8402
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 8402
 gccgcccctg gcgaactcca ttgtcggggg gcctctacca gccgcccctg gcgaactcca 60
 ttgtcggggg gcctctacca gccgcccctg gcgaactcca ttgtcggggg gcctctacca 120
 gccgcccctg gcgaactcca ttgtcggggg gcctctacca gccgcccctg gcgaactcca 180
 ttgtcggggg gcctctacca gccgcccctg gcgaactcca ttgtcggggg ggctctacga 240
 gccgcccctg gcgaactcca ttactggggg ggcgttacga gccgcccgg gtgaactcca 300
 ttgtcggggg ggccgtataa accgtcccgg tgaacttcat tggaggagg cctctataac 360
 caaccctgg cataattcaa ggctta 386

<210> 8403
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8403
 ccagaaaggc cgcacactgg ggaagctggc gaacgctaac cgggagggtt ttcttccaga 60
 cttgattccg ggatgttgag atcgttattc gaaatagact aacattcgaa tcgcctgtga 120
 tggaaggagt ttctgcaccc gtagcctggc ctcatattatt ctgcaaagt ttattgggtc 180
 cttgcccttt acaagatcct gtgctgtgag caagaacaag gctttcatgt ggaaataagc 240
 cggcctttgg ttgaccaaac cgaaactcct ctgaatggaa aatcaagaaa aatttgga 300
 aaataataaa atgttcaatg aaatggatat aaatattttc ttgtttaagt aggc 354

<210> 8404
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 8404
 acagaacgag actccgtctt aaaaacaaca gcaacaacaa aaagatcttg atgcctctga 60
 tggagctgaa catttattat acagcaacag cagcaaggat tgctgggtgg cagactacac 120
 tgtagggcac ctgctcttct gtaagaatct gaaagacact attgtcagag ctctgccctt 180
 ttggaatgaa gaaataattc cccacatcca ggaagggaaa cagggtgttg gtgagggtc 240
 tggcagcagc ttttctggca cagtcgagcc ttgggagggt ctcccggcaa gggccatcat 300
 ggagctgagc ctgccactg gggttcccat tgtctatgaa ttgtacaaga agaggctgaa 360
 gccattgaa gctcatgcag gtcccaggag aagaaaaagg tg 402

<210> 8405
 <211> 450
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(450)
 <223> n = A, T, C or G

<400> 8405
 gtgtctngac accctccana ancaccagga gnagaaacag ctttccttgg ctttcccagc 60
 caaatctccc tctgcctctc tcccctgggtg acgacaatgg ctgggggtctt gacttgccaa 120
 gatctggaaa cggagaaaagg actggatctc caaacttggga ctgccttggga ctgaccctgg 180
 cctgggaagt gtgggctcan gactccgagc tcaagtcagt ctgttcccc aacccccaac 240
 ccactgcatc cgggtgagga agtgggcgcg agcgccacag cgcacatagg ggtgttagga 300
 gcgaaagact ggagacccaa ggactgtggg gctgggggtgg tgggggcact gctaccgact 360
 aaacaagtgc gggcgggctg gaaaaacgaa gggggattcg gtgatggggg aagccaaggg 420
 acaagggaaa aaggaaaggg cgcattcttg 450

<210> 8406
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 8406
 ttctcttctg taccttcctt gcacagcctc ctccccagcc tggatccaca gccaccatcc 60
 catcacttgc ctgctgcaag tatcctcagc actgcgacc tctctcccag ctggcagaaa 120
 ccagccctgg ggaatccaac tcttgactt ctctacacct gcacacaggt tggcaggagt 180
 tgccagaggt cttggcacag cagcctggct ggaatcacag agcaatcctc aaccttggcc 240
 aggccttcac tgccacctg gcaaatcctc aagtgtgacc ctagtcatct ttctcctttt 300
 ggggtgtttc agactttctc cacaagtctc agacaagctc aagtcactcc cacatgaaaa 360
 ataaaaacgg gctgggtgtg gggggtcatt cctataattc caacctaata aatggtaatg 420
 gaagaattcc tgggaaaaaa aatcttaaat 450

<210> 8407
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 8407
 gacaggacga gactccgtct taaaaacaac agcaacaaca aaaagatctt gatgcctctg 60
 atggagctga acatttatta tacagcaaca gcagcaagga ttgctgggtg gcagactaca 120
 ctgtagggca cctgctcttc tgtaagagtc tgaaggacac tattgtcaga gctctgcctt 180
 tttggaatga agaaataatt cccagatcc aggaggggaa acaggtgttg gttgaggctc 240

ctggcagcag cttttctggc acagtcgagc cttgggaggc tctcccgaa ggggccatca 300
 tggagctgag cctgcccact ggtattccca ttgtctatga attgaacagg aggagcttga 360
 agcccattga gctcatgcag ttcccaagag acgaaaaagc tgtgcataaa gccatggaag 420
 cgtggcttgc ttagggcagg ggcggagcgt gaaaggcggc agccgggtccc tctcctgaca 480
 acaccctccc aatctgcccc attcctctat gcctctcacc tcaacgtgtc 530

<210> 8408
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8408
 ctcttcttgg ctgcagccaa gattctgggg gctgggggtgg cgggtggagg tggggtagga 60
 gggataggaa aggcaccggg acaggcacgc gaaggaggga gccgcggaac aaactgtcgg 120
 tttcagcagg cccccacgaa accgcaagat ctgcaacaac gatacacagc aagccaaccg 180
 acgcaggcag agga 194

<210> 8409
 <211> 562
 <212> DNA
 <213> Homo sapiens

<400> 8409
 ctcttcctgc attgtctgtg gtgtgacat agcagattat atttgggttcc tgaatgtttg 60
 tgggtgctaatt ttctgtgttt gttccaagcc gttcagtcac gccatgcgct gcctcggtag 120
 atggagtaatt gtacaatgaa ctccatgagt ctctccaggg ctgcctgcag cacgtctttt 180
 ccaagtagcc tatttggatt cccatctcaa atgtcctgga tgcgagcgtc agcggctcca 240
 gagctcgggg cgggtgaggt cccctttggg gaaccctttc ctggccatcg aggtcggggg 300
 gctgccgtct gtgggcagga ggacccgagg ggcagccagg aaaggcgatc tcttcactgt 360
 gaaaagtgtc ccgggtgcag cgccttttcc ttctaccatg ggaaatgcag gctgggccct 420
 tggggtgagc ctgcggggct ctggtgctgt ccccgacccc caccaccaac agaatgcagc 480
 tccagcttaa ggaagcccaa acaagccacc cagggagaac aaaacaccgc cagcgtggat 540
 tttccaaatt tcctgggaa ga 562

<210> 8410
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 8410
 atttttaaac atccaaatat ctgtaacatc tgttataaca cttgacatat gcaggtcaat 60

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aaattaaact attgcttttg gagaaatgtg cctgaattgt tcactataag tctctgccgg 120
gagttattca ttcaagtaaa caaaagatgg cctattttctg aaaattaaca atgcgtagac 180
tggaactgtaa gtcgtgattc cgtattttct cgagttacta gctccatcat tagcaacatg 240
agaatgtgca atgccaccat gttgaagtat gattaatcaa catcttttct gaaacaaaga 300
ttttttttcc cccattgcag aatttgatac aagaggattt ctgggttcctt ggggggctga 360
aaaaatctgg tttagctgg ttggaaccgg ggaattttct ggggttaagc tttttgctgg 420
gactaaaatc aaaactgcac tgcagagcag gtgagggttc atgcgcgcgc gccacaaac 480
acacatatag agaattaaaa aaccatttgc catccatatg ggaatattta 530

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<210> 8411
<211> 472
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)..(472)
<223> n = A, C, T or G

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<400> 8411
gtggagtgtg ttgtagcatg agattaaggt tttggcacat ggggtggagt ggggaccgaa 60
tgggatatct cagttttctg ttgaagccta ctatagacgt tcctgtcatc gttcgactct 120
ctctcacgtg cgcactgcc a cgtgtgatta gtatgtgaat accaccggtg tatgggattc 180
aatggatatg cttgacgtta gggaagagat acttatagta atggggagtg gacaggggat 240
cttaatgatg cgagcctgcc aggcgggaag cgggcagact tgcgggttct tcatgaatgc 300
agagggtggt gggattgggg ggcttactgc cgcgactgtc tatgggaatc ccatgagctg 360
gcctctactg atggaatatg ctgtaaagaa tgacggggta tggggatggg tanagtttga 420
aatttgaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaag ca 472

```

```

<210> 8412
<211> 854
<212> DNA
<213> Homo sapiens

```

```

<400> 8412
tcacctgtct tctaattaga gcctcttact catctgtagc acgagtcatt tattttgtct 60
agtacaaaga atatttcgaa tactcatgac taaagagctc aggagttcta gctaaagaag 120
aatcttgaag cattggagtt ttgaaaatct gcataaagat tttgaagatt ttttaaagat 180
tcatattata acagtatacc gttggtctaa tttttcttaa tctactaaaa acgaaatagc 240
acaggtcaga tgtgacttgc ttgctttctg ctctgtaca atccaggagt gttaatcaaa 300

```

```

aagcaaaatt tgtgacatca gttttatttc catggctact gattgtaata ttacaaacat      360
gagattactg gctagttcat catgaagggt aaagaagatt cctccttgga taggatctcc      420
aaaaccaaca ccaaggggaa tattatcaga gctgcttcca gcagcgtgtc ctttcaaaaa      480
tgttctcatt attctgagag ctttgtttta ttttgtagagg gtttttatca tttgttggtg      540
gtggttaata ttttaatttt atgtgcttgt ttgttttatt tattcctcca cccccagtga      600
cccgtgtaga aaatgggttat tttagatggt agaagcccct ctgttaaaga gccagttctg      660
ccttcgttta attcttcttc cacaataag atttattttg gaacttcagt caaaaacatc      720
tgtactttgt aacagacaaa catctgcctt cctaccagag ctgctggcct tgctgatggt      780
agataaatgc attttgttct ttgaagcccc tcatagagaa gagactgtac cataagagaa      840
gcccatcat tttg                                                    854

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<210> 8413
<211> 594
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(594)
<223> n = A, T, C or G

```

```

<400> 8413
tggctcctna gacttggttac ctcaagtaga gatgttgggt ggacaacccc attcccatgc      60
caggcattct ctccatcat caaaccacag tcttctgtctc tgttttctgt ttgttttggt      120
ttgttttttt gagacgtagc ctgggcaaca gagtgagact ctgtctcaat aaaaacaaaa      180
catacaacta cttttgcggg atgctgtggt ttactgttgt gttgttttgg atctaacacg      240
ccctccagtt tattcactct tagccagttt ttccagccat atcttttcct tgaatatgtc      300
cagacaatat ttcatggatc aaaatattaa caaggataag atgaaaatga taaaaccttg      360
tgcttttcat tttcctacac agttttctgc atgtatcttg tataactaca taaggatatgt      420
tagctaaaaa aaataaaagt gtgtgtttgc agggaagcgg aggcgggggc gcgctggtgc      480
tgagtggagt cacagtaagg ctgtagatgg agcgccctgg gaagggtggt ttttttgggg      540
gtttgctcac cccggggaag gaggagttag ggtttgagga tgggtggagg ggta          594

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<210> 8414
<211> 162
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> (1)..(162)
 <223> n = A, C, T or G

<400> 8414
 ttgntggtga tctacattag aggggtaata ttattatattt ttcattcttc tgttatggaa 60
 atgtaaatta ttttactatg tttcttttta tgagcattgt aaagatttta tgaatgttat 120
 tattcatgta tgtttatgtc tatattgaga tagtatgttg gt 162

<210> 8415
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 8415
 ggtaatatgt tggatgagac ttacatagaa ggggtatatt ttgataaata ccttctaccg 60
 aaatggaaga gtaaataatat ataacttgaa acattttatg agcattgaag acattaaatg 120
 aatgatatta ttcctacatg tttatcgcta tcctgagatg agttgttatg ggtatgttac 180
 agtagtaaca cttctgaata aataattgca gcattctacc atttaggttt ataggggaata 240
 gctatggagg gacggacact cttgacatga aacttataaa aggacagcgt gagagactaa 300
 aaactacagg cctttctctc tcaagaacat agatagatga actttaaaca taatgcttgc 360
 taactttatc ctagcgacag attaaaagcg cctttgggcc tccatctttt tttgttggtg 420
 gggctattgt tgcggttggt gtaggcagca acccagtctc cttctg 466

<210> 8416
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8416
 aataggcagg ttatgtggct tattactggt gagcgaataa tgtaaacgat gagcgaggcc 60
 ggggtgcagg ctctgcaggg ctactggtga ggcacagagt acaaattgac atttcactat 120
 gtttgtgtgg gcagacactt ggaagggtgtc tcaccgctgc acgagtgtga aggctgtgca 180
 tagatcattc tggcgtcctg tgttgagagc agcctaattgc tcacgg 226

<210> 8417
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8417
 acatgggtga aagaacatct atttagtgtg gagcagataa cagccatgtt gtttgactaa 60
 acgtgaagga aaactgcgtg gaaaacagcc ctcaagaaaa cccagtaaca gcattgtggt 120

tatttttcagg tccccttcct ttctttttaca ggatgctgga gaaggcgatc ctgtgttaag 180
 atgcctgcac aagatttggt ggccttaaac tgttttaaga cttatgaaat gacaatgaca 240
 gcctgttgct ttggaattac gggattttta taag 274

<210> 8418
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8418
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 tttttttttt tttttttttt ttttttttgg ggaggggggtg gttttttggg ggggttaggg 120
 ggaaaagggg gggggatttt tttttaaggt ttttttttga aggggggggt tattaaaaat 180
 ttgaaaaggg gggaaagagg gtaaaaaaat ggaaatttaa aattttttta acaaattattg 240
 gtggggccgg ggcggggggg gggggggggg ggccggaagt gacaggagtg 290

<210> 8419
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8419
 gggggaaatt ctgagcctgt cagtttggaa ttgaggtttg acttgtggaa ggtggacttc 60
 ttgtgtattt gctgctgctg cttcatgctg gtttgtgtgg gctacctggt tgattatctt 120
 gcatgggtgg gtgttggtgg tggaaatttg gatcacgggg tg 162

<210> 8420
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8420
 attatggaaa catgaagcta tttaggggtt tttttcccat aaaggaatgg aaaagtaatc 60
 cttttttatt ggaaaaagac cattatttta aaaatttatt gtttttctgt gtataagaac 120
 atcagttaca aatgaaatgt tatcaaatta atatcctatg cttactaagt ccaccttctg 180
 gtccttattt acaaaaaggg gccattggcc 210

<210> 8421
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8421
 attatggaaa catgaagcta tttaggggtt tttttccccc taaagggaat ggataagtaa 60
 tcttttttat ggaaaaagac aattatttat aaaataaatt gttttttgtg ttatagtaac 120

atccagttta ccaatgtaaa tgtatatcca atataattat cctatgccct tatcacagct 180
 ctactctctc tgggttcttca tacacaaata gtggctattg gttatccttt tgtcatctca 240
 ac 242

<210> 8422
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8422
 gccgggtcag ggtacacctc acctacccca cctccagtca atttcatttt aagttcatac 60
 ccaaactata agaatatgta ataaataaaa ttcagcaagt tgtattttac ctttaaaaaat 120
 acacctatct tcccactttt tgttaagtta tttttaacat ttttatgtta tattatttcc 180
 tatcagtggg gaag 194

<210> 8423
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8423
 cgacctttat aaaataacga ctaaaacctt gttgtggaat tatggtatat agctctaaag 60
 aaaaaattaa tctgggatta tatttagagt tagtagagaa gaataataga aattttactt 120
 tacataacta taaaacatgg tctattatta atataaggac taaaagcttt cttggtggat 180
 cttcaacaat ttaattctgc actttatata 210

<210> 8424
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 8424
 gaggtactgt attatgggaa aacatgtaag gctatttagg gggttctttt cccccctaaa 60
 gggaatggaa aagttaatcc tttttttatg ggaaaaaagc acaatttatt taaaaaaat 120
 aaattggttt ttgtgtgtta taagaaacac ccagcttacc aatgtaaatg tttattcaaa 180
 taaataatct atgccttagg aaagggtctac ctttctgggt cttattaaac caaaaagtgg 240
 gcattggggt tcccttttgt aacttaaccg ccaggggttc catttgggaa atccacccaa 300
 tcaagtatgg taggtctggc gt 322

<210> 8425
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8425
 tggaccggag gtaccagggt aggtagctag atgctgcttc cttagcatcc cacctgcagc 60
 cttgacaagc ttcaactatc cagcagctcc tatatcacia accgcaccta cacgctggct 120
 aaggaagtta gcttggctga taacaacaca gacgaacgaa tcaacgggga gaaaccgatc 180
 catggagcta ggtc 194

<210> 8426
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 8426
 gtacaagctt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 tttttttttt tttttttttt tttttttttt ttttttaaaaa aaaacaaaaa acaaaggaaa 120
 ttaatggggg gaaggggaaa aacggggaaa aaggggggaa aaaaggggga aaaaaaggga 180
 aaaaaaaaaa aaacaaaaaa tcgcgggggg gaccaaaggg ggaggggggg ggaaaaaaaa 240
 aaaacggaaa aaaaaccaa accaaaaaaa cggggaaaaa aaaaaaaaaa gcctccctct 300
 ttcaaaaaaa agggggggga cggggcgggg ggaaaaaaa acaaaaaaat aagggggggc 360
 cgggaaatat caaagggaaa aatcccacia caaaacaaac cc 402

<210> 8427
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 8427
 agcttttttt tttttttttt tttttttttt ttgtcttttt tttttttttt tttttttttt 60
 tttttttttt tttttttttt aaatcaatta aagaattatg aaatttattt ggggtacagg 120
 aataaccggg gcaaaatggt gggaaaagt ggtaaaacia gtttacatta aatttactta 180
 caattacggt ggggtacatt tttggaagg gtgggttttt aaaaaaactg gcttaaaatc 240
 ccaaccttaa atattttgga aattaaatca ttagcttttc ttttttttta ttaaggagg 300
 gggcttgctt ttgggtttat ttaactttta cattaatggg gcacttggtt atcttatggg 360
 ataattcttt ttctcattta agcctcccca caaccttga aagggattac cccattttta 420
 tgggggggaga aacaggctta gaaggggaaa 450

<210> 8428
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8428

ggcagaacga tctgcactct ttgttttaggc atgttggtt gacaattaat aactttcatc 60
 tgacttttat aaggaaacgg acatgcttgg aggctgagga tgcttaatgg aatgataaca 120
 acacagacgt gggatatattt gatgtgacag tgattgacat attcagtctg tacgagatct 180
 gatgattgaa tgag 194

<210> 8429
 <211> 354
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(354)
 <223> n = A, T, C or G

<400> 8429
 tctgactatg gaaacatgaa gatattttacg ggtgtatgcc actaagagga gaggaagaa 60
 atatTTTTTTa taggaacaat accataatca aaaaaaaaaa ttgtttattg tgtataaaac 120
 acaagccaca acgaaatgac atgaaaaaat atttatgatt angaaagga atgttttggg 180
 ttataaaaca aaagtggcat tggtttactt tgtaagtaac gaaggggttc atttggaatg 240
 cagcgataat gatggagtat ggtttaccat attttttttag gtaaaaaaaaa aatgctctgg 300
 ggcatataat ggttattttt aacggggaaa ggggggtagt tattaatttt tttta 354

<210> 8430
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8430
 ttacatatgt tgtagcata agacactggc gatgtaactg ctctaaacaa aacaccgaaa 60
 gttgtcctat gcaatatata ttattatata catatatata ttacataaa atactaaaaa 120
 agtgaaagcc aataataaca ttggataaaa gtaatacata tctgctaagt gacaatatca 180
 aaaaaatcaa ggaataattt tacaataata taaataaaaa gaatgt 226

<210> 8431
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 8431
 cccccccctt tttttttttt tttttttttt ttttttaaaa aaaaaaaaaa atcatgagaa 60
 atatttgggg acagagaaaa acagggacaa aaagtggaga aaagagggtga aaaaaaattt 120
 acataaaata tacaaaaaaa tacgtgtggg gacatatattg taaggagggg ggttttaaaa 180

aaaacgggta aaaaaacaaa acttaaatat ttgcaaaaa aaaaaatttt cttttttttt 240
 ttttaaaaaa ggggggggag tatttttttg gttaaaataa atataaaata aaagtggaac 300
 ttgagtatth tatggaaaaa ttttctatth cttttataacc tcacaccacc cttgggaagg 360
 gttataccca ttttttgggg gaaaaaacag gggtaaaaga ggggaagggg atattttgtg 420
 cgcgcaaacg ctttatgggg ggaagatttg gtaattgaac ctataattgg ggcttctttt 480
 taaatataaa atattttg 498

<210> 8432
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8432
 gctcactgta gctacagcat agcagaccag tagagccaga gaccctccat tcaacacata 60
 atgggaacct tcctccttat aaaggcggca ggcgccacct tcaagaagcg aaaaacctaa 120
 cgcgacgcaa aagttatcac actaaacagg acaacctccc gactccactt tgcccact 178

<210> 8433
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8433
 actgattgtg gcaagcatga gctatattag gggacttgct aaatagagga gtggaatgtg 60
 gtaaaaatga tggaaaaaga caagtgcata aaaaggaaaa tggcgtgtgt gtgtagaaca 120
 ccagatacaa tgaaacgtca tgcataaata tctatgctta gaaagcatac ctcatgggtca 180
 tatgaacaaa agaggcattg gtgtaacttt gagaagaacg cgggggctga tctggaacac 240
 gagaatcatg agggggacag gaaacctatc ttgactatgg ggaatgaaca tagctgagac 300
 ggagcc 306

<210> 8434
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8434
 cggagtatgg agaaatgaag ctatgtatgt gattgatccc ctaaaagaat ggaaagtat 60
 ctttagtatg gaacaacaca attatatgag aaagaaaatt gtagtctgtg tcttcaatac 120
 cattatagat gtagagatgc gtatcaatag aatattgtat gcgttagaag agaaatacct 180
 acattggacc ttat 194

<210> 8435

<211> 514
 <212> DNA
 <213> Homo sapiens

<400> 8435
 gcacgattgt acatgcgtgg cgccaatcaa caatatataa cacgaccgaa aattattgtt 60
 gcatgatgca tgtttgtgtg gttgctcaca ctgcaaagga ctgtataata ggggatgaaa 120
 cggtgctgcg gtgacatgat gatggatcgt ggtgatatgc atgattgacg agctgacact 180
 aaccatagaa gatgtggtga tggattaata tgataagtca cagacaaaga tgcaggacgt 240
 ggtgcccagc aatgccagct atgacagcgc gctcatgacg tgtcatatca agggatgatga 300
 cagtgatagc cagaggggatg ctggatagca gatggaggca gggacaattg gtgaatagga 360
 gtggagagag catagcagta ggagaactgg agaagctgcg gtgtgtctct gagtgcagct 420
 ggaacttggc caagagatta ggcgtgaggt gaacatcata ccacctgccc ccgccagacg 480
 tgacaatgat aagccacaat gcgtatgctc tcca 514

<210> 8436
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 8436
 acaagctttt tttttttttt tttttttttt ttttttggtt ttaaagttaa ataataaaaa 60
 cacatggaat aaagggggta atccatgtat tggaaacagc agaaaaagga ggaaagggga 120
 ccatcccat aggggacact aatccttggg gtaaaactaaa ataaataagg gaaataacac 180
 ttaatacaat aataaagaaa aaaaaaaaaa ttacattaaa aaaaaaaaca ggaacggggg 240
 aaaggagccc gggattggga ggaaaggcgg tgcattggaaa agaactcagg ttcaggggac 300
 cttcctggaa acattctggt gt 322

<210> 8437
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8437
 caagctttt tttttttttt tttttttttt tttgggttta ataataaaaa cacttggaat 60
 taacggggta atccaggtat tggcaacagc aaaaaaaaaa ggaaagggga ccatcccaaa 120
 aggggacact tatccttggg ctaaattaat ataaataagg gaaataacac ctaataaaat 180
 aatacagcaa ataataaaaa ttacattaaa aaaaaaaaca ggaacggcgg aaaggagtcc 240
 ggagtatggg ggaaaggcgg gtaagggaag agcatccagg ctcaggggac cttccctgaa 300
 aacttccggg ttctgagcag ctcaactcag tcccaggcat aacacgtacc ccgg 354

<210> 8438
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8438
 acctcaaact cagagtttct tcccttcttt gattttcttg aggacctgca gctggccttc 60
 ctgagacagg ctccattcct gttccatttg ctttcccggc agccttcctt ttagtgggta 120
 taggttttga cgttctgagt tactttgtat caaagagcta attaaaaatg gtccttcaaa 180
 aacataaaga aaaacagctt gaaaaatgta cctgcccggg cggggggggg aggggggggg 240
 gagaaggggg ggggggggc 258

<210> 8439
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(290)
 <223> n = A, T, C or G

<400> 8439
 tgtggtcagg cttatgaata tgctcangtt taatgagatg ctctgttgta atgtgatagg 60
 ctgtggaaac aacaatgagt ggaatgacat caatgatgcc aatgaaattg agcatgtcaa 120
 ctagcgcattg aaaaatgggc atgatcatca aagatgggtg gacgggccat aagcgtgcga 180
 cgggccatac aaggactttg tgccggaaga acggcttgga catggggata ggtaagcaga 240
 tgggcatatg tgaggggaac ggtatcttgg ctgctgacat cgcgatcgct 290

<210> 8440
 <211> 434
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(434)
 <223> n = A, C, T or G

<400> 8440
 ggtcggccng ggtcaagcct gcgtatcaga atctgagaca gcgtgttggc aactttgttg 60
 caaatcactt ggcaactcac acatggagtc cgcattctca taagaaccag ctaagaaaca 120
 acattaaaca acaagtcttc aaatcaggaa tgttggagtc tggatttgac cgaattatct 180
 ctcaggttgt ggacccaaag atcaaccaca cattcagacc tcaagtagag aaagctgtgc 240

atgagttttt ggccacgcta aatcacaaag aagaaagaag tggcaacaca gctcccgatg 300
 atgagaaaac agacacttcc cttattacac aagggtgttcc tactcctggg cccagtgtcta 360
 atgtaaccaa tgatgccatg tcgatattgg aaaccataac ttctcttaac caagaaaaca 420
 aggctgctaa ggct 434

<210> 8441
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 8441
 gacgggctcc acaacaatc acgggtgtggc acactcaaac tcacctacgc agaacctaaa 60
 gcggtgtgtg aatttgaacg cggacatatg tcatattaga atgaaatata ggcatttctga 120
 aaaattgtat ttctatgtgt agagatgaag gaaggatggg tataggctta gcttgatact 180
 gcaaataata accagggatg ggggtgtagga attgtaaaaa caggatatgat ctgattattg 240
 taattcataa cattaggaga gagataacgg actaatattg cttcaacaga taaaccaaag 300
 aaagaaggag tgccataaca tatactctgc acacaatggg acctacagct tattaaactg 360
 attttctttg tgctatatct gctaaatatt tgttgataaa tgtccacttg ttgggtctccc 420
 atactgtacg aatgaaacct caatttacag 450

<210> 8442
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8442
 ggacgtgtac ttgagaaaag aagagtaata atgaatataa cttaatcaat aaaaaaaca 60
 aggtatttaa aaaaagaaag gaattaagag aaaatctgaa tagatgtatg caagtgtgaa 120
 cttataatg attagagtat tatttggata actaaataat aatgaatgaa gcagagactg 180
 aataataaaa taattaggag tagactaagg 210

<210> 8443
 <211> 434
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(434)
 <223> n = A, C, T or G

<400> 8443
 gtaccggcct gaagataaaa tgaatgaaat aatgaatagg catatcaaat gatatatagt 60

aatatacgtg ggagcaacta gcaatgctga taaccttgaa tgatgacaaa aaaaaattgg 120
taaaaatagaa gaataaatta ccaatacaat atactagaca ttgttaaacc acaatggtat 180
agtgaatgca agaattatga gtgaaacaca cagtgaatag agaagcgaga tacgacatat 240
gaaaagacag tgtaattctg atggtnngta atggtggggtg ggataagact ctatgatcac 300
atagctgaca aggcgataat aaatgatcaa aaaacatatg gttggagacc atgcgctggg 360
gactttttct gtaggatatg ggagtggaca atctaggctg ccaccgcgct aatcactaat 420
gtattcgcgg ccgc 434

<210> 8444
<211> 162
<212> DNA
<213> Homo sapiens

<400> 8444
acgtgtactt gaaaaaagaa gattataaat aagtataact taattattaa aaaatacaag 60
ggattaaatg aaagagagta gaaaggaaaa attggaatag atgtagacaa gattgatgtt 120
aataattgat tagagtatta tttgtataga aaattataat ga 162

<210> 8445
<211> 226
<212> DNA
<213> Homo sapiens

<400> 8445
gacgtgcaca cctgaataaa ttgtatgcta tactaacttg ccaagattac cacaacatta 60
aaaacatatg tatacattaa tgttctggca gtggactatg agaaaaaac tgaaatgaat 120
acagtgatgc atgtagaaca tgtcatgtgc aaactggagt ggatgttgag gacggagcaa 180
tgagaatctg aaaactcaca gggatgaaaa aaataaacga tactta 226

<210> 8446
<211> 242
<212> DNA
<213> Homo sapiens

<400> 8446
gagtgacaaa caaaaaagaa gtgtataaaa aaatattgca tgatttatta aaaataaaaa 60
atattagaaa aaaaaaagaa ttaaataaga atttgataaa ataaatacaa gaatacttag 120
acatatgata aaaatatgat tgttctacta cattctaatt aagaaaggag attgagagat 180
aaataaagaa ttaagagtag tgaaagagta atgagtaaga gtatgaaata gggatgtaat 240
ga 242

<210> 8447

<211> 162
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(162)
 <223> n = A, C, T or G

<400> 8447
 aagtaccaat gtgctgggag gacccaataa ttgatgcagg ggtgtggggg gttacactgt 60
 gactaaaaaa accacataac atcataactg gaacatcact atgttgggat ctgtatctac 120
 agatcacata aggaagggaa gtcgtggaga naagcatggg gt 162

<210> 8448
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8448
 cagggttaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagcttg tacaagcttt 60
 tttttttttt tttttttttt tcccagtatt cataaaataa atttttttaga ttggcctata 120
 aaaaaaaaca tccaaccacc tttccctagg aaccttttga acaccataag aacaaaagct 180
 ctaacatata ccta 194

<210> 8449
 <211> 513
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(513)
 <223> n = A, C, T or G

<400> 8449
 gggtagcaaa tacaccgaca aaagaaaaaa agcagatggg ctgctagggt tctgctttta 60
 aaaaatttca tataagaatt gggtttcaag caggaagcca gaacttctgc ctctggttct 120
 taaattaaca ttcggtgtgt aatggacaat aggcaggagc tcataatttg actaactcac 180
 atgctcaagc atgatcgtgt ccaatttcta caggcctcct ttgtaaagaa atgtgtaaca 240
 atgggggggaa agtcataatt ctacctgaaa acatggattg taagaagaaa taaaaaatc 300
 aaacagtatg ttttaagttt cccttttgat actgtgtttc agggtaagt acagcttctg 360
 caaaccaaga ctcagtcctg attataaagg attttttaaa ttacattatt aaaaatatgt 420
 atttattctt ctttcacttt atctattttc caaagcctct ttcaagtaaa ctgtgaagtg 480

cctgagtacc tgccccggcg ggngtggtgg gtg 513

<210> 8450
 <211> 638
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(638)
 <223> n = A, C, T or G

<400> 8450
 actagaaaag cctggctgcc atccatcgct gcctctgagg tggaggaaga ggcgggtgat 60
 gtgctcactt ctgatcaaca tgtgttgccct cctctcagcc aacttctatc tcaactgcact 120
 cactctgggtc atgataaatg ttcgtcacct ttctgcttca ttccttangg cctaaatcan 180
 gaagctgttt tatcgatggg ttccttttgg gtcagtaacc agctttggat aatttcctct 240
 gattattcaa gtcgtgggac aggtaaacta cattcagcan gaacttttct ncgagagtgt 300
 tatgtcatgg aaaagacacc aaacacagca agtattgtaa tgaatacacc atcccagggg 360
 tcagtaagct ctgcctgcc aagaacaca gtgaggaggg tccacagtcc tgatgangtg 420
 gcgttttgta acttgtagac cctagcatgg ccagggtctgg tcacccttaa gaacttctca 480
 gagaaactag gaatcttcag tgaaagaact aatgttctcc tcagctgaaa ttccttgct 540
 tgtcagcatt tctgcaaagc tcacacttgt ttcaccatac ctcccttgga tgtgacatgt 600
 angtangaag tatgtgcang tgggagtcac ttgttagg 638

<210> 8451
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8451
 tacatgtcac accaccgcca tgttttgttg attgaatcgg cttgggtatg cggcctccgc 60
 tgactgcatt ggacattgat ctcggggaga cgtgaagagg atgtaagggt ggctatgatc 120
 gctaatagca ccgagtgccct cttctgtga ggtgactgag ac 162

<210> 8452
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 8452
 gtgcatgcta tcaatgtgtc caattcccac atcctgagct acgcactgga agacatgcct 60
 aagaaaatag acgaaataca ggtacttctt gatgacagac gaagcataag ataacatata 120

atagtataga tgaagcaa ataacgacta aactaatctt acataacaat gcattacatt 180
 atttgacaca catggtcatg atgtgattaa gataagatag acaaatatga agattaaatg 240
 acataatggg tgtgaaagaa cgaagtgaat tgatacacac actatggtaa tatctgtatg 300
 atatacacta atactactga tcatacaact aaaacaaaaa acaagaata tctagttcct 360
 gcttgtaag catgtgataa ctaatg 386

<210> 8453
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8453
 tgcgtcatgc ttctcagttt cttctggtaa ctaatgacca agatgaccaa tacattgtca 60
 acaatgccat gatataagat aaggtagtag aatggattat ttgatattta ttttgtaa 120
 gtgcatcttt ttcaactcaa ttttatattt ctttatgatt tt 162

<210> 8454
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8454
 ttacaactta taagaaaaag taaagggaaa cctcaacatg catgcaactg ccttgtgtga 60
 ccagtgtgaag tccccccac gagctatgga ggataattta gcccgggaag cgttatgctt 120
 ttcattattc aactgttctc cccaggggtg tgcttgggtca aaattaaatt atttccatcc 180
 atagccaaga tttg 194

<210> 8455
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8455
 tttgatttgg ttaagacttg atgatatgga tggaacctca ctcttaaag cgtagatagac 60
 acacactcta tgcaaaactgg gaagtttgac agaaagtctg ggtagggaaa cacacatata 120
 ggccttggtc atctggctag cagaactatc ctgtgttgag acaaattgcc cgtgcgct 178

<210> 8456
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8456
 gccgatgtac gaaggaagcc aatactacat gaggtgtaat aatgcatacc tataactgca 60
 ctcacctcta tgtaattgct cacatgccga ccaagggtgac aattttcttc actgctgaca 120

cttctgagtg atgatatcaa cgaatgaaca cgctgccact ctctgacaag acaactacga 180
 atatcattat atataagaat agggaggggc tctgcttact aaagac 226

<210> 8457
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 8457
 gaggactgtg taacatgtgt cactgggcaa gctgtgccta taatactggg gatgctgtga 60
 gagtatgtgt ttggtggact tgcagtgggt gtgatttgta agagttactt ttatTTTTTg 120
 taacattttc ttatgatcat gtctgtgttg ggttgatagt gaaggatata atgacttggt 180
 ggttgtattg tagatattgt gacatcagac gggatcacgc taatcacttt tgtattttcg 240
 ggcgggtgta agtctagcat atgggagagc tacataagcg ttggattcat acgttgaact 300
 attctataat gtctgctatt ataggttggc gtgatgatgg tcataagtgg atactgtgtg 360
 aaattgttat tggctcacta ttgtatacta tataggaacc ggaataattg gtgtaaagat 420
 tggggtgcct gatgagtgag ttaaattgca ttaattgcgt tgtgctcact ggctgctttc 480
 ca 482

<210> 8458
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8458
 taggcatttc tgacatttta taaacctaca tttaagggga atttttaaaag gaaatgtttt 60
 ttctTTTTTT tgtTTTTTga gggggcaagg agggaccaga aagttagctc ttcttatgtg 120
 gaatattatc ataaaattac cttagtaa at gccatgttta taatctaatac tttcaaagta 180
 ttgaattgat gtctgcaatg cccatccttt cttcttagga attgga 226

<210> 8459
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8459
 aggtgtcaca tgtagagcta gtcataattaa tatacctgaa tgttatgtat tcatgctaata 60
 taatataatt tgcaccaaca aaaacgtcaa acaacatatg tgtttgggag gtcttttatgt 120
 aactctgtat ataaaatata atgcacgttt ttcccgttgt tt 162

<210> 8460
 <211> 674

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(674)
 <223> n = A, C, T or G

<400> 8460
 ccatgaagtc tgtcttttgt caaagttcta tgcagtccca ggatagcgtg atagcagtgg 60
 ttaaacacaa ccagctagtt atagctttca ttgtatggaa agacctctct ggtctggaac 120
 tctgcctttg aaattatcca cgtagttcag aaggcaaata cttgttaaag ggatcccaaa 180
 aggtaggaga caagtagttt ttgttatgca ttagggcaga ctttcaagca caagacacaa 240
 aattgagcag caaatgtttg ggtagtccca tctcccttcg gtttatatgt gggtagtaaa 300
 ataaataaaa ttttccttct ttgtctcttt cttgaaataa aatatcaggt atccaaggag 360
 agctgaggat tctcaatttg ctagattgct ttaaaggggt cagattttaga aaattaagga 420
 ataaatgaag aacaatttta ctggagtagg tgtggtcaat angccctttt tcattttgtg 480
 ccattgcttt tagcacaagg atgtcaaaaa tatcacatag aatgtcatct ctgatggact 540
 gacagagacc tcctgtttgt ctgtgttagg acatgaggct tatcccagct tggcgggaga 600
 gaatgctaag catgatgagt gagatctgcc acaggcacgg atattttctg ctccctcttct 660
 gtttgtttca aaca 674

<210> 8461
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 8461
 atcaccatca gggtaaata cactcctgat gatgctgtta atagaaactg gggtataaca 60
 cctccccatt aactcaagc acaatgtgtg tagttctcta ataaggagat gaattgttct 120
 tttataccat gagagtgaca tgcacggcac acacttggtt aaggggtgtg cctgcatcaa 180
 aaataaaata catagaatca gtgtaatgtg aacataaaaat aaagaataaa tagcgtggct 240
 gtcacatgct atttcccttt atggaagggt agtgatatgt cgtgcatgct gcgttctgca 300
 caactggcct actgggaggg cactgttgct gcctgggt 338

<210> 8462
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 8462
 gaagagcata ccgatcta atagtagccagt caggggtgtc cgagattgca aatactagat 60

ctatatatca tataatctatc attatatata tgggagaata tattatggga aatatatatc 120
 aaaaatctat atataataaa gtatttagta gtaatgaata tggatgatatg aaaatatata 180
 tataatatat tatgtatata tcatgatgac tgatatactg agactgtcgt actctgactt 240
 atgatgcatg gctatgtgag cacagggatg tgactacggg gctatatatg cagggaaaat 300
 aaggcagata acatgggtag tatgtctagg gtagtgtgtg aatcacagaa gatgaatcag 360
 tgaagagata ttattgaatt gatgctattc agataatgtg ggtgtgaaca gatgcatggc 420
 atcagaggca tgtctgatat ggcattgaatg agtgaagtga aacgtatgaa gagatactga 480
 ttaaagagaa ttcattgca 498

<210> 8463
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8463
 ggtaaagcta tttgggtcga ttgttaattt agtttgcttt agagagtaga acatataatg 60
 cgacaaaaga ttagtaatga gaaaatcagt atttcattgg atgtgttaag tgtcaaaagt 120
 cactgtaatg gtgttgtgtt caaccgggtg tttgttttga agaataatgg tgtatgtgtt 180
 acatcccatt cttcatgtcc aaatttttga cgttccttgt ctactcagc tgtgataaac 240
 tggctctggag ttgctgaccg accattgttc atcgaatgag gcattatctg 290

<210> 8464
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8464
 ttgggtggtg gaggaggtgt ggggtggatg tggatgaagt ttgtgtggat atgtatgggt 60
 tatagagtag atgagaatgg gataaagatt gtgaattatg aggatgtgga gtagagttag 120
 tataaggggt aagatgtatg aaatatataa tgaatggatt atgtgaggtg aaaatgatag 180
 ataggggtatg gtgtgaatgg agaggatgta atttataaaa tgaatatggt gttttgattg 240
 ta 242

<210> 8465
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8465
 gggccgaggt gcacatgtgg aaagtaggtc atgagataaa accatcaata tctaatatat 60
 atgaatcaag tgtgagttca caactacaaa cactaaaaca cattattaaa aaagcttgta 120

cgagcttttg cttttttttt ttttttgttt ttcggatcac aacgcttact atacgttg 178

<210> 8466

<211> 402

<212> DNA

<213> Homo sapiens

<400> 8466

cgcgggggag gtacacttaa aactgtgag aataacagag aaagatgagg gtttttatat 60

acagtggccg ctgtgtttgc ggcacttggg aatgacatgt ttgtttttac accaccgtga 120

gcgggacctg gaagtagagg gtgcgctgca caaggcccaa agagaatata attacttgct 180

gatggtgggt cacgtgcgcc gggcacacgg ctgtggcgga gctagcgctg gccgcttgcc 240

agcttcacgc atgggctccc tactcctgac gcctatatgc atactgttgt gtgttgcaac 300

tgtgtctacc atacaatgct cggagggatg ctgggaatga cgtggtgtgg ggagacatgg 360

ctatgacggt tgaagattga cccatctttc cagggtggag cg 402

<210> 8467

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8467

ttaccgatgc ggccgcgccc ggcgatgcac gtgatcaatc ttgtactgag gccacagggt 60

tgcaccagaa attctgcttc taacacttat gtctgagtcc tgtcctggag agggctgact 120

gcacaatgat tatcttttct tttacatgtg gcacgtacgt gcagcatcag caagggtggag 180

gggggctcgc gctccacacg cccccaacaa 210

<210> 8468

<211> 674

<212> DNA

<213> Homo sapiens

<400> 8468

cggggccgac gtgcatgata aaaatttgtg gaaaacatgg gtcctgtata cgggggcgga 60

tcaactcctg acacgtaatt cttaggatca atatgttggg ctgtgctgag gctgacagggt 120

gatcttgggg tggtcctttt atggctcgtg gagggctctc atgggttaggc ttgcattata 180

ccatcagatc atagaagcgg acacattgac tcatatccta tggctagtaa ataagatgta 240

ctggatagtg aatctctttg gttacgcatg acgaataact ggaaagagga gagtgacata 300

aatataatgc agagccatat tgtctacttg tactgcaaac ttttgatgat ctgtatagat 360

gaccagagca tccaactgag tgaggagcat catcgcgga gacatgattg tcatgtcata 420

cgatagcagc ggagcatata aagaggatat tggcatgctc tgcgccgagt ccaggctact 480

gactaccgta tgtgatgccg actgcaggtg cgatatgatg gagagctcag ctgcgctggg 540
 atgggtaacg ttcggttcta tagtgtcacg taaatagctt ggcgtgatga tggcatagc 600
 tgtgttgtgt gtgagtgggt atgcgctcac aaaccacaca catacgagcc ggagcataag 660
 tgaaaagccg ggg 674

<210> 8469
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8469
 cgcggccgag gtaccggtga ggaaagtgcg gattgacact tggatgggtg taagtatgaa 60
 tcacctgatg aggtcacaaa tacaatgcaa tcgtcaaact atttatagca gcctctaact 120
 tgcttcatat gcttctgttt acagagttaa tacgacccat ctgctgcagt gaatgtgatt 180
 gagctctcaa ggtctgggca agaggggatt ggtgtaagtg tatcca 226

<210> 8470
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8470
 gggcggacgg gcctgacggg gaggagggtt ttgggtgtga tgaagattgt ggcgtgtttg 60
 cggcattgga cagcctagaa gctcaggaca agtgatgact ctgtattgga aagtgatgac 120
 gcaaggccgg gggacgcagg ggcagccaac acatcagcca tc 162

<210> 8471
 <211> 226
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(226)
 <223> n = A, C, T or G

<400> 8471
 nccgnctccg ggtctagntt actgggacaa cctgntgntg gncaggnata tggcactcac 60
 cgggctgggn taaggcacag ncctgggnta actcactggg cattgggcag gctatccggc 120
 atgggctatg gcacagcatt cctacctggc catgacctgt gcatgctagg cacagctatt 180
 tgcgtggccc tccgctctgc tctgtgctat ggccgcgcat agcgca 226

<210> 8472
 <211> 338

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(338)
<223> n = A, C, T or G

<400> 8472
gaaggantag caggnaccga gaggatacca gcattactga cgaacangga ccagccccac 60
ctgggaccct cttacccac aactctcatt gggctacacc actcagtcga ccgatacaca 120
ctcgacacag ggacgntagg gatgcaatga tcagacctcc tggtagtcac ctaagcacta 180
tctgggactg gtttggggta ggacaaaggc agcacatctt ggcaactggc acaagggcct 240
ctccaagctg taagggcagc tcaacagcac ctactgggat gggtcagcgc aggggctgct 300
ggtcctaggt actctggccc ggggcggaac gacttact 338

<210> 8473
<211> 224
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(224)
<223> n = A, C, T or G

<400> 8473
ncagntacgn cctggcgnaa ggntcctttc tggacgntca aggagnatgn aatctggnaa 60
aaactgtcta ttctcttagn agnagnaanaa tataccccac ctaaagtcgc agctaccatt 120
aacaiaaaaaa aaaattagca aagggaaaga atcaatggta aggacagtaa atatactctg 180
agaatagagt aagtacctcg gccgcgacca cgctaatacac tagt 224

<210> 8474
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(770)
<223> n = A, C, T or G

<400> 8474
gggncagnta ctagnaaagg nccggntgc catccatcgc tgcctcgnag gtgganaagn 60
agcgggtgat gtgctcactt ctgatcaaca tgtgttgccct cctctcagcc aacttctagc 120
tactgcact cactctggtc atgataaatg ttcgtcacct ttctgcttca ttccttaggg 180

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cctaaatcag gaagctgttt tatcgatggg ttcccttttg gtcagtaacc agctttggat      240
aatttcctct gattattcaa gtcgtgggac aggtaaacta cattcagcag gaacttttct      300
cgaggagtgt tatgtcatgg aaaagacacc aaacacagca agtattttta tgaatacacc      360
atcccagggg gtcagtaagc tctgcctgcc aagaagacac agtgagaggg gtccacagtc      420
ctgatgaggt ggcgttttgg aacttgtaga ccctagcatg gccaggctctg gtcaccctta      480
agaactttct agagaaacta ggaatcttca gtgaaagaac taatgttctc ctcagctgaa      540
attcccttgc ttgtcagcat ttctgcagag ctcacacttg tttcaccata cctcccttgg      600
atgtgacatg tangtangaa gtatgtgcan gtgggagtca tctgtcagcc tgctatgttt      660
cagagatcct gaaagtgggt tgaaacaaac aggagaggag caggaaatat ccgtgcctgt      720
ggcagatctc actcatcatg cttagcattc tctcccgcca agctgggata      770

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<210> 8475
<211> 226
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)..(226)
<223> n = A, C, T or G

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<400> 8475
acagntacga ttacagatc acggtctcaa ctgatttttg catcacaata taacataatt      60
taaagtgggg tgattttatc aacagtatct tgtttcgcaa actttggaga catgtcctag      120
actgtacctt caaactgtat tcttgatctt gctggaacat gttggttgct ggcgggtgctg      180
gcatgcagcc atggtgcatt cctggtgctt gaactgatag atgtgg      226

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<210> 8476
<211> 338
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)..(338)
<223> n = A, C, T or G

```

```

<400> 8476
gnagatacgc aagnttcttt tacttttcaact gnaagnttct gggcgctctt ggtgnttttt      60
tcctntcttt tctggaacca ggggcaagca ctccggtctc ttggcttctg cgnacggggc      120
agnatctgag caatgcactt gcgactatct tgctcctctc ctgcacaggg gtaagtatcg      180

```

tctctctagg gtgaaggcag atctggcatt tgtcgtcttc ttgggactac cagaccgcgt 240
 cccttttttt ctctgctgcg tttcttttct cttccttata ctcttttaat ctctgtccct 300
 cataacttgct tatttcatac gatgctaggt tcactcct 338

<210> 8477
 <211> 322
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(322)
 <223> n = A, C, T or G

<400> 8477
 cagctgnaag ctccaagnca aancaatata gnaactcatc cagtgatggc tgaactgtcg 60
 tcatcagcta aaacaggtaa gcgaaaaaga gtcagatgct gtttcgaggt ttagtatatc 120
 ctagtaatgg ttgtcctgcc tgcaatatct gaattttaaa tataaatcta tttattaata 180
 ttttaacatta tttatatggg gaatatatct tttgactcat caatcaaata agtattttatt 240
 atagtaatct tttgtgtaat gaatatgaat atttattaat atatggatta tttattatct 300
 ttatatcttg tgattgtttt at 322

<210> 8478
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 8478
 cgggtacata tatcaaagga ctataatata aacatgcacc tatggtatta tatagcaaaa 60
 agaatctatg gggaacagtt acttatgcac acattaacat actccctgaa ttttgattaa 120
 cacgatgttc tcatatgcat gtgatattca tctacttatt tttggctggg catagtatct 180
 gctgcatggt atcagagttt atattatcac ctcgaggagat acccacctaa tcaactggtgt 240
 attgctggcg cgggtgtgagt agatcgtctg ggagagctcc catcgcggtg acatgcctcg 300
 gtcgtagtat tctataatgt cacatgatta gctggacggt ctcattggata tagatgttat 360
 cctgtgtgca tatgttatta gatctcaatt ccactcacac tactatcggt atgctataat 420
 gcgtattgga tgggggaggt aatgagtgtg tctcactata cattaattgt gttgcgctaa 480
 ctgactgatt tacattca 498

<210> 8479
 <211> 530
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(530)
 <223> n = A, C, T or G

<400> 8479
 gncagatact gattacaaca atgccatgct ctgcgagcag actcacgatt caaggtctta 60
 catgcccgcga acatgactca cagnaactaa aacatctaca ctgtctaaaa taagaactca 120
 aatgtctgga tgtagagact atattgagct ggaaagtcaa taaatctttc actataacca 180
 ccacatggca cattaatgca tcacatatca agcgtatata gtgcctgaga actgaagagg 240
 atctgtaaac aactttcatg tgtgtaatat gactgatgta gacacgctat gcattgaagt 300
 actatctgaa cagatggatt acctcttgct ctagcatcat ctgactctg tcttgattat 360
 caactgcttc ccactggaaa catatgaagc cgtctattta tttatgtgtg tatatgctat 420
 atgaattggt gactgtgtgg aatgcttgct attgtggcta ttattctgaa tcttaataact 480
 ataaatatgg atctgatatg attctgcttg tcagtctcta gtgctatgca 530

<210> 8480
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8480
 cggccccgcc cgggcatggt tacataggca ccgagactgc ggagtgggac tctactaagt 60
 gtgtgtgcaa ctacatgtgc gaacgtgggt ttttttttac ttcgtgcttg tttgacgcta 120
 tggctgggag cgcattgagca cagagccatg accgcgtgca cgccgtattc gatggcgc 178

<210> 8481
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8481
 cgtagtttaa tatttattgt ctctcttttc tgctgttgta gtaccatatt atatataagt 60
 aaagagatgc gttcaagatc tagatcacgt tctatgaggt agaggactcc cttatcttgt 120
 atattcaggc ggtcaagtag ctatatctga gacggtcggt ctatattgta tagtctatga 180
 agtcgtgtga tgattctcaa tagctctatg 210

<210> 8482
 <211> 546
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)..(546)
 <223> n = A, C, T or G

<400> 8482
 tggcatatgc tgtattttat tgtatcgtgt aagtgcctaga aatataccca atactgaaat 60
 cttattaact ttgttttcta tgcggccttg ggttttgggt gttcatgcat tattgtccac 120
 tattatcatt tttctttaac aagatataac attgtatggg atattgtaca tatattgtat 180
 gcatccatta ctgggtgtgtg tttactactt tggctgttgt gcttaacgac acatggaact 240
 gtgcaatatc gcttttatgc acaactctcg gcttatttaa ccaagaatat tatcgtgaaa 300
 catcgtgtac tggctaataa ggcatattct cgtattcttt gtaatgtgat atagtgattt 360
 cagatagctt taaagtgtat gtgtgacatt cgtgacaact atccaacaca tacttaactg 420
 tgccaatatt tgtcaatttt tataatctgat gcatgcgttc ctaaaaaatg agatgtctct 480
 gactaacata acaggagtgt caatttgtgg tgcgtggagt gcaatgtagt agtgtcgnac 540
 tcagcg 546

<210> 8483
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 8483
 acgaggatta gaaaatcact gaagtgactg ttgatgacgt aggtgaagag tgggaagtag 60
 aggaggtgtg gagattatta tttaagtatt ttatgaatgc taagtaatag gaagtgggtg 120
 atgggtgatat ttaaattttg attttgtaa atttgtagta gaatattgat taatgattat 180
 tttatgtggg gatattgtga tgtgctttat gttgagcaaa ttggatatta tttattagtt 240
 tgtttttgaa gtgtcttact atgtgagatg agaggatatag tattgtgttg tgtgtttgtt 300
 gttcatattg ttgtgtattg gatttagttt tctttgaa 338

<210> 8484
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 8484
 gatgcctgtg ctactgtcc acgagtgcac tgaggcaciaa gggcatgaat ggatcctata 60
 aatgactcac ttgacctggc tcttggcact ggatgtagct gttggggctt gacaatttag 120
 aacttgaagc cctcaccat tatccggaat attgtgatcc tgactactat tccagaa 177

<210> 8485
 <211> 306

<212> DNA
 <213> Homo sapiens

<400> 8485
 aagatgtgat gaagcagaac gatgaattaa tagatggaag acatataaca tgcgataaaa 60
 gtgatacgtg tcactatata aagagtaaag cccatacaag tatccatgct ttctaattctc 120
 aacgttgtaa gtggctgggc aacctatgcg acgtcttaca caaggacaca aagacatgag 180
 catgagctat aagggggctc caggactacc tctaagaggg ataggcctct agtaactcca 240
 ggctctgctc cgaatgctga gaggagactt aaatactgtt actgcggccc gttacatcag 300
 aactca 306

<210> 8486
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8486
 tcatgaatct ccaaccttaa atactgaaac actgacatat gaagctatct gatgcctgct 60
 tgaatcaata taccaccact acttgccgca ctgatgacac tatgcaaagt tgcgtgatac 120
 gtccgaaaca atgccgtagg gggggctaca gggcacgaaa ca 162

<210> 8487
 <211> 162
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(162)
 <223> n = A, C, T or G

<400> 8487
 tttttttttg ntggtttaaa attttaataa aggggggnca aaggntgnaa tggntcnaaa 60
 antcctcaag ntccgnacgg nactccccgn agaccaagnc anttgnantc cattcattat 120
 tcgntctggn atcttagnca aagccccggn cccctggnan ca 162

<210> 8488
 <211> 194
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(194)
 <223> n = A, C, T or G

<400> 8488

```

tttttttttt tttttttttt tttttttcta attactacct tttattctaa gggaaaccag      60
ggcccgaaag ncgaataaca agctggncga aacaaaggaa actaggggtg gncaaaaaga      120
attagggggg aaaaacatgg nctcttcctg ggggagggag ncggggaaaa ggnaaaagag      180
gtgctcagcc ggca                                                              194

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<210> 8489
<211> 210
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (1)..(210)
<223> n = A, C, T or G

```

```

<400> 8489
tttttttttt tttttttttt tttatttaaa aaaatttcaa taaaacggcc gggcgggctc      60
ggggcggccc ctatcggctc agccgggggn ccctcctccc ccacccatt ctaccagggg      120
agattctggg ggggaggcca agttcccttc tagagggggc ttcacccttt tcccagaaac      180
gttcagttt caggagnagg naggaggcag                                          210

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<210> 8490
<211> 226
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(226)
<223> n = A, C, T or G

```

```

<400> 8490
tttttttttt ttccacggnt acaaaatctt taggtaanta taaaataaat aatagnaata      60
ttaattaata acaacaacac aacagggnc acaatattaa taataacaaa anctotccca      120
tggncccacg nccttcctcc anctttttctc ttcgggttca cacaacttgn gnanatanct      180
gttttcatan cgggnaaaac ggagnccan anagntcgnc aactg                          226

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<210> 8491
<211> 338
<212> DNA
<213> Homo sapiens

```

```

<400> 8491
ccaggccagg acacacagac accacgcaca cggaagcac ggacgtgcag accgcacctc      60
ccctctctg gaccactct cccagctcg ccagctcaag ccaggagcac acagcgcgac      120

```


cccagcccac caccaagagg acaggacacc gagatgtgga ggcgggccacc gggcagacaa 180
 ccgaggcgac aaaccacaga accgggtcca cacgtagaag acagcacaca aacgcagccg 240
 atcccacaac agcacgcagt accctccagc cgagccacac aagctccacc cgcccccca 300
 gctccacctg ccgcggcccc ccaagactgc cagccacc 338

<210> 8492
 <211> 594
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(594)
 <223> n = A, C, T or G

<400> 8492
 caactctgaa tataactaaaa gctgttgaat tacacacttt aaataagtga attttacggt 60
 aagcaaatta tatcttaaga cattaataat aataacaaag gacggaactc acacatcttc 120
 tttagacaga aatgtagtct cactgcagca agtatggctt aaacctgctt ctgaaccgtg 180
 cacagttgta ggctgtctc aagtgttccg tcgttgactt gtgtcccgcc tcgccgggca 240
 atgatgtatg tgtggagcgc agtcatgttc tttgttacgc aacacagttt tcaccttggg 300
 ctaagatgat gtgattcttc caaggtttgt ggcagaaatc ccatttaata nactgggtcca 360
 gatttcttca tgccgtaaaa ttgtttaagg aagttattta ttctgccaaag ctctcgatc 420
 ggtgtccgac actcccttct gtctcctgga gggccaggct tccgtgctct ggggctcagc 480
 aggacgggga ggacgtatnc ctagacacct gcatcagtca aggtcatgga tattgggaag 540
 acagacagca gcagaccag gtctgagctt acaaggtagc cactgagtct gggg 594

<210> 8493
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 8493
 ccatttgctc actggggcta cagacgcttt tctacctgca atgtagatag actggatgcc 60
 actcgtcctt ataattgtta actttttact gttatcttta acttgtgttt aacctcactt 120
 tcatacactt tagaagcaac tggaatgata atggttattg tgaacaaggg gcaaactctgc 180
 atgtgtgcag aatataatcg agttatcttt cttttactga tactgacccc acatgtgttt 240
 gacctttcta tgcacactgt tgcctttaga atactaactg ataaatcatt ttactgttgc 300
 ttttctctca catgttagct taacgctgaa cggcattttg actacagtgt gttctgcata 360
 tagaacattg attacacatg atatattggg ttatactttt tggtgtctct tgcttattta 420

gtttgctgct cacg

434

<210> 8494

<211> 386

<212> DNA

<213> Homo sapiens

<400> 8494

gtactctcta ttacatcacc catgctaata ttgatgatgt atcatctcta ttaggaatc 60

gacttgatc acctgcatta ctgagtgcg catatgagat gagatgactg ctgacctgtt 120

cttggtggcac cctggacca ctaaagaacg cccttagtga tgaccaactg ccacatgtta 180

cacattcttg atggttggt gtgtggcgga ccttctcttg tgaccatgat ccagaagctc 240

ctccaacact gcttctactgg aacactgctg cctcagacga taccacgtga tgaagttgtg 300

gcttatgggg cagctgcacg tccgagattt ttgacagctc acaactctga gaatgcatag 360

cttgagttgc ctatggaggc agctaa 386

<210> 8495

<211> 642

<212> DNA

<213> Homo sapiens

<400> 8495

ggttcaagaa cctgctggtt tctggatgcg taagtcacac agcctctgct gtgtgacact 60

attcttgctt ctgcctgtca tctgtgatca tatgccaggc tcgtgccaga atccctttct 120

tatactgatg tggcgtgatg gatccgcatg gggctgctct cctggacctt cgtgctgtcc 180

ttatacctgg tttggggagc acggtgtgga tgacgtgagc gtgtgatgaa ctgcatggag 240

attctgcggc aatagtgaca catgtggctg gtgtgcttga gatatgggat gagatatgac 300

atgcggaact aatagcatat gctttgtcat cacgatggca aaatcactga gagaacagag 360

aaaaaacat agtactgtgt cgtgatcaat ctaatccatg ccgtatacgt ggctgacgga 420

caggctacaa tatggatcag cacactatga gtctgatgat acggtagagc atgcaatgat 480

gatgacgtga tgggactcgg cgtagtcatg gctatagctg tttcctgtgc gcagttgcct 540

tccgctcaca attatacaaa acatacgagc aggaggcata aagagtaaag cctgggggtgc 600

ctaaggagtg agctaactga cattattatg ggttgtgcct gc 642

<210> 8496

<211> 530

<212> DNA

<213> Homo sapiens

<400> 8496

attggtggta gctcatacat agatacttgg tcatatctga ctactgctt ggacttctgc 60

tatatcactg cataacatgg cggtaggggtg ttggtgtgat gtatctcatt ataggagttg 120
 tgtgaaactc attacgaatg gaatggatat cctgatagta acaacatata ccatcacaga 180
 ccgcttattg aaagcagtac tatatattac caaacttggc cttgttgtct gggatgatct 240
 ggacgacatg tgggtgatag aattgggtga gaacatggac aagatattca acgtgacata 300
 taacatgata ccataacaac cctacaggaa catagctttc gactgataca ggtgtgactc 360
 tgactggcta ggatgctctg acacactgta cgtctacata caaccagggtg attctagttt 420
 acacaataat ggactgagat gatactaact gtggatgata gcactgtatg attaaaatga 480
 tctcttagga tattttaaata agaagatata ataaaaatat ataaaagctt 530

<210> 8497
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8497
 tcgacgtata ctatgatctt cttatctgtc tttcgtgtat taggtagtaa ccttatgtat 60
 atgtctctgc tagtcattac tgctctttat acattgatat agtctgtcgc tggcagggat 120
 gtaaggggct ctaatgggca tgtatctagc tgatgctctg ac 162

<210> 8498
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8498
 ccaaaagact gctggagacc actcaaggca agacatgaat gtcaagtttc tcaatagcaa 60
 ctaaaaagaa aacgaggact gactctcgaa acagctgact aatcattcgg tatactgact 120
 tgaatgccca acgcaaagca atacatgaaa ccaccaagc ga 162

<210> 8499
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8499
 agtctgacta ttaaataaat ggaaatgaca cccaacatat acagtattta tatgagattc 60
 tgactgtcta catggatatc atgcgcggct gggtaaaaaa tatccgtgga tttgcacacc 120
 tgcacaaagc acaccaagaa ctgctttttg aatcatctct cttataactg gttgcacttc 180
 catgatcata cacgtggcta gcgagtggta ggttaactca tatattgcaa tgggggtggtc 240
 ttactcatgt tgtgggtgcat aactggatta gaggaatgga cctgatgaat ctgttgatta 300
 tggcgcaact tgccaaacat gaatcttgac tggtagacga ctctgatgaa gtgc 354

<210> 8500
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 8500
 ggtacacata gggcactgaa catcttactt ctctgtgagga ttactgagct cgctgcatgt 60
 gattcgtgtg ctacactcc actgtttaat atgttactat gacacaccta ctaaaagtat 120
 gacagctcct cttgacctgg aagtgtgcaa ttaccatcac acgtggataa tgcaaggcgc 180
 tgctctcatt tcctgttact tatgactgtg acgtgaagtg agattatgca ctattaacaa 240
 atcatgatgg tggagatgaa agtgctcatc attacatata atgtgattga tacacagatg 300
 tgtgacggat tgctgggata aaaatatatg taagattagg actcctaacc gctgggtttac 360
 tcaatcataa acagaacaat gatcaaaaca gaggtcacia tactgcctga ggtggctggc 420
 atctctacga cgcacgagtg cactgtacac catgcctgca aacgga 466

<210> 8501
 <211> 178
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(178)
 <223> n = A, C, T or G

<400> 8501
 ccngggtaca tccattgat gtcacttcgc aagagtgggc atgaccatat tgtgaatcta 60
 tgagtacgga ctattgagga ctaaactgga aggatgcaac tacacacact gtgaggaatg 120
 gctgcgtctc acactagtat gctttattac agggactgga cactggatag aanatata 178

<210> 8502
 <211> 594
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(594)
 <223> n = A, C, T and G

<400> 8502
 cgaggtacag gtcacacagc acatcagtgg ctacatgtga gctcagacct gggctctgctg 60
 ctgtctgtct tccaatatc catgaccttg actgatgcag gtgtctaggg atacgtccat 120
 ccccgctctg ctggagccca gagcaaggaa gcctggccct ccgaggagac agaagggagt 180

gtcggacacc atgacgagag cttgaaatct ggaccagttt attaaatggg atttctgcc 240
 caaaccttgg aagaatcaca tcatcttagc ccaaggggtga aaactgtgtt gcgtaacaaa 300
 gaacatgact gcgctccaca catacatcat tgcccggcga ggcgggacac aagtcaacga 360
 cggaacactt gagacaggcc tacaactgtg cacgggtcag aagcangttt aagccatact 420
 tgctgcagtg agactacatt tctgtctaaa gaagatgtga gtcctaagca gacttaaagc 480
 caagaaaata agaagaggaa agagagagggc ctgccctaac ccactgttgt gctgacttgg 540
 acaattccaa gtccaagagg actgtctact ttcgaccttg tgtgattata acct 594

<210> 8503
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8503
 aggtaaatat cattgatgtg agtttcatac tacagcatgg atgtggtagt gctgcagact 60
 ggtgctgctt atggggcaga tacactagct ctgatgtcaa tgactggaac agtgtgattg 120
 gatgcctgat ggatgatttc ttagacatgc taaagtgtaa gtcagaccct gactcagt 178

<210> 8504
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8504
 ggggcaggta acacctccag acctctttct gtctgagtgt atctagtttg ctgcttttat 60
 ttatgtatta tgttctcctc atgtacttgc tcttgctgc tgggagaatt ctgtcgttct 120
 ctttggccga tctcaaactg tagaacccta aactacttcc tgcagtaact gccctggctt 180
 ggcgtctcac aaggcaatac tctcctcgtt ccagcgagga ccagagggtg gccagcctc 240
 ccagtgtagc tggactcc 258

<210> 8505
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8505
 aggtactgga cctaacctaa tgtagcacat ggggacacat cgatattaca acaaagtcta 60
 ttagacgacc acgaaatata taagcacata taatgctgat tgtaaataga tatccaaagc 120
 acctctgcta caaactacct ggctcgtgtc tgctgtatct tgccatccac atgatagggc 180
 atgtaacacg aactccagag caatctcctc 210

<210> 8506
 <211> 321
 <212> DNA
 <213> Homo sapiens

<400> 8506
 gtacttgtgt gtctacagtc acggttgact atcccactat gtttactata aatgaggctc 60
 tgtgattcac tgcattggcag caggtgatgg cattgacata ggccactgct tgatatgatt 120
 ttgtgcatcc tgtccagagg tcctggactt tatgagaggt atgttttaggc atttggttga 180
 catgctatct gtctaccgct gtccttacgt ctgggatcac atattccttc tgtgggtaca 240
 aattgtgtgt gatttctgat gatagggggg ggtgtataac tatttatctt aacactggtt 300
 gtatatatta cattggttta a 321

<210> 8507
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(290)
 <223> n = A, C, T and G

<400> 8507
 cgggcaggta cactcangaa tgtgctgcac aaactctatt cagttagcag tgatcacccc 60
 gtgaccaca cacaccttcg atataatcct acaaagtctt aacattaatt aacataatta 120
 aataagtatt tgcattctata aaaaatatac agaagaacta attgtggagt aatctgtgcc 180
 tccatttcaa tgtctgcttg ttctactgac attatcaata tattcttttc atacaaagtc 240
 ttataaaaag cgaaggaggg ctgagcggat acgaccagcc acacacaaaa 290

<210> 8508
 <211> 371
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(371)
 <223> n = A, C, T or G

<400> 8508
 cagntacaan cttttttttt tttttttttt ttttttttgg ttggaacctt taataaaaat 60
 aaaaaaggaa tgcaaaaaga acacaatggt gaaaacttaa tattaatgtg aacctcacta 120
 gatgttcaaa tctggtagag tgcaaatttt gttcatacta ttttacattt ttacaaactc 180
 aaatcacttt gggtcatata ttttctataa actattggca aaaaaatcct caaatttaca 240

ttcttttggc tacattatct ctaacagata tagatttact tccggtttcg gagagaaaga 300
 cttattgtgt gtgcgtgatc aagtctgttt taaagattca cacctcggcc gcgaccacgc 360
 taatcactag t 371

<210> 8509
 <211> 194
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(194)
 <223> n = A, C, T or G

<400> 8509
 ttactaatct acttagcaaa ctttatcctg agatttgcaa atttaaaaaa atgaagaatc 60
 aaactatatt ttcttttctg tttttttgaa acagagtctc cactctgtca tccaggctgg 120
 agtacctgcc cgggcggggg gttgtngtgg ttatgaattt gtgtgggtgt gaagtagaga 180
 ttagagatag gatg 194

<210> 8510
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8510
 tttctgtgta ataagagtga ctgcttataa ggagcgtgga ttgcgataga gtattgtgaa 60
 taagggtgtt tctacttaag tagatttgtg tataggcaag agtgatgtat ctttgttata 120
 gtttaggtgt atgtagttat tgataatagt gcagcgtttt ta 162

<210> 8511
 <211> 274
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(274)
 <223> n = A, C, T or G

<400> 8511
 agcaaaaccc acccaagcaa caactggggc caagaacggg gnaacccaaa taggcattac 60
 cccagaggaa ccgaattaag gaaaatggaa ttaagggggg ggcccaggat tttgacgacc 120
 aatttgatga tgaaggaccc cttccttgcc ttagggactg gcaaactttt ttaccatttg 180
 gaaggtaaaa ttgaaggacc aatttcggta gtggaaggaa aacattgggt tgtattaaag 240

gaaaacaaag gcaatgggtg acccgctttc gggg 274

<210> 8512
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8512
 cttgatgatt gtactgtatg tgtccgtaga gctgatggct gctgtgttct atggacgttg 60
 gtggacgact gtctgtagat gaggaggaga tgaacagtgt ggggcagggt tggaacatct 120
 tgatgaatct ttgcacgctc atgtattgaa atcttagcat ca 162

<210> 8513
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 8513
 tgtataatgg ccttggacca tcttccatgc tggataggac ttataagtgt gtaatacaca 60
 cgtactatgg gcaagatgga taaagactac tgcctacata acttgtatct atatccatca 120
 catcaaccaa tgataagtac gaatctatcc taattttaca aacatggaca cataacaaca 180
 aagatgtcaa tgtcctcatt caacagaact gaagatagat caaacgctaa accagactct 240
 gtctctattc cctcctgttg tgccacgggtg catctctgcc gagacgggtgc ctttatttag 300
 ttacaaaaca cacttgatgt atggcctacg cgtttaac 338

<210> 8514
 <211> 322
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(322)
 <223> n = A, C, T or G

<400> 8514
 ctggtccaac agctgagggg tgttgagggg atactgtact gccactcacc gaattaacgc 60
 ctgcaactat cagagatgaa caacataaaa aaaaacaaga agagaaaaaa acatagttag 120
 agaacctctg catgaatcat gataagcaca tatagaagaa aaaagatata aacgtggtag 180
 cgtcaatccg agagacgaca tcgccatgcg gtattgccag caaacacata tggactggac 240
 agcnagacat ggatcataat gatgaatgat catgcgctac tagactactg atcaatgggt 300
 ggacatagca gcanacactc ac 322

<210> 8515
 <211> 786
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(786)
 <223> n = A, C, T or G

<400> 8515
 tttttttttt tttttttttt ttttttttag tttaaagact atttcagttt tagtcagact 60
 acttcagacc tcagactcca gacttcagac tccagacttt agacaacaga ctccacatgc 120
 cacacaacag acttttcagac tccagcttca gactccagac tccagatcgc acacttcaga 180
 caacagactc tagacaacac actccagtct ccacattcca cagcacagac tacagactcc 240
 aactccaga caacagactc cacactccag acaagagact ccacaatcca gacaagagac 300
 tccacactcc agacaagaga ctccacactc cagacaacag gagactttta gactccagat 360
 cagacttcga acttcagatt cactccagac ttcagactcc agaccagact tcagactcca 420
 gaccagatt tcagatttta gacttcagac tccagaccag atttcatatt tcagactcca 480
 gaccagactt ctgacttcag acttcagact cctgaccctt ggcaacatgc acatggcang 540
 cccttcactt agctggtaga aggaacacag gcttggaag gagatgtctg atgttcactc 600
 cctgacgaca ctcttacttg cttcaatgat ctctctgagc cttgggtggc ccatctgcta 660
 aacaaggatg agttatttgc tggggatgct aggagacttc tgcctcatgc ctgcagtgct 720
 gctcatgttg ccccttgga attacttggt caacttcttt ctttcccact agacggggac 780
 tttttt 786

<210> 8516
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 8516
 cgagtactct tagtagcgca cgtctttggt gtatgccttt gatgggggct gctgaacgtc 60
 tttttcaagg atcatggatg tctcatggag gaattaaatc tcatgggtat tgattcattg 120
 cttcacgggg ctgaagaata atctgtgggt gatgtcctga ttgatgctga tatgacacat 180
 ctttgaggta agaacttggt tatgtccttg aactggatgg gattgttctt tgtgacctca 240
 tgagtatata catgatgatt cagctgtaga catgtgtgac atctcttatg gttaacatgg 300
 aggtggacat tatacctgat ggggcgaaca gctacttt 338

<210> 8517

<211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8517
 tgaggacttg atagcatgtg tgtgtggact gaaatgctta tctcttcgg agatgtgacg 60
 aaacgcctgg tgtgtgtttg tgtttgggct gagactgtat agagctggta gtttgtagca 120
 tgtgagagat tggagtgagt ctgtgtggct taactccttt ctcggttcgtc tgcgcataacc 180
 ggcatttagt ctcgtgggtt gattatggaa cttgcatgtg aggctggata ttgatgagct 240
 gtgtgtagtg cggctgatgc ttaatataga gtct 274

<210> 8518
 <211> 610
 <212> DNA
 <213> Homo sapiens

<400> 8518
 gaagaagtcc tggcaaaaat cagctccaca tccacagatc ggctcacagt tctcaagacc 60
 aagccacagt ctatacaaag ggatatcatt actgtctgca acgaccctta cacgttggcc 120
 cagcagctga ctcatataga gctggagagg ctcaattata ttgggccaga agaatttggt 180
 caggcgttcg tgcagaagga ccctttggat aatgacaaga gttgctacag tgaacggaag 240
 aaaacacgaa acttagaagc ttacgtggag tgggttaatc gcctcagcta cttgggttgct 300
 acagaaatct gtatgcctgt taagaaaaaa caccgagcaa gaatgattga gtatttcatt 360
 gacgtagctc gggagtgttt taacattggc aacttcaact cttgatggc gataatctct 420
 ggtatgaata tgagcccagt ctctcgacta aaaaaaactt gggccaaagt gaagactgca 480
 aaatttgaca ttcttgaaca tcagatggga cctttcagcc aatttctata attattgaac 540
 agcttttcgt ggggccagca caaagtcttt aactgctcat agtagttaag aaaagatggg 600
 gatacatttc 610

<210> 8519
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8519
 taccaacaac tcttggtaaa gatcacctcc gcatgcacag agtgcttgac atgtgctgga 60
 tatcacgctt gtcgctatac gaagggatgt gattactgtc tgtaacgacc cttactcggt 120
 gtgtcaataa ttgactcatc tagacgtgga taggctgatt ca 162

<210> 8520
 <211> 466
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(466)

<223> n = A, C, T or G

<400> 8520

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gtacttgata agttgattct aaaatacata tgaaagtata aaggaacaag aatagccaaa      60
aactttttgca gaaaaacaaa ttangaagac ttgctttacc aaatatcgag atatgtgttt      120
ataggtaatt cactgagctg acattaatgt gttgtgtatt tttttggtca gagttgatcc      180
ttactngaga gtgggtatgc atgagtgtgt gtatgtgaga gtgagtgtgt gtgtgtgtgt      240
gtaaaatgga ggagaggact aaaagtgtga ctagaagcag ctggaagtag canngagagt      300
ggaagttagt cccctcgagt gtttgcaaag taagacatgc ctgcccagca ctcttcctag      360
tgtatagtgg ctacaaatag agtagagaac agactccagt cctcaaagac tttcagtctt      420
gcgagtcaac tcagactcaa atgtagaact ggaaggaca gtgccg                        466
```

<210> 8521

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8521

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atgcacagtg cacatatctg gtacaagcta aatctggggc gcatcacagc caatggtaaa      60
ttctacagtc ctttctctta cggatcataa tgccttgatt gtaagcgctg cacatacctc      120
agggtcgcca tctactgtag ataaaaaaca actgtggatg actataacgc catgtgcagt      180
ctcatggggg agaggcttca ctcgtttaac                        210
```

<210> 8522

<211> 514

<212> DNA

<213> Homo sapiens

<400> 8522

```
tgcacattag tacatttttc ttaatgggtg aatacttgcg tgtagctgaa ccaatcatgg      60
atactaccat atcataaaag aacatgacta tatctccgtc tatcatccat taaactatta      120
cctttcacag ctaaggcctt gacctatgcc tgaatgatgc tgttacataa gctgagataa      180
tacagccatt tctgtgtcat ccatcaggat aaacagtatc cacgttctac gagctgtgta      240
gcgtgcaacc aatgccagga gtacatactg tatgctgtgg tcggagcttc tgctaaccac      300
tctatcatgt ggaagatgga taatagctta tgggggaagc cagacaagat tgataaaacc      360
actataggtg cattgacatg tctagctatg tgggtgaggaa tgtgactata catcgtgtga      420
```

tgatagttgg gaagtatgcg ctcaatatag gccatctgct ggtctgacag aatctcagac 480

gtgaccacgc tacgtaccag ccacggccgg ccgg 514

<210> 8523

<211> 322

<212> DNA

<213> Homo sapiens

<400> 8523

acttgataca ggctctgaca ccagatgacc tgtagagtgg ccacagaagg tgggcaacac 60

actaataggg tacggtggaa aaacatatgg cggagagagt gacatgatga tgatttcatt 120

taggaagatg actacaaatc tatcataatt gtacaatgta cgtactccta gcataatcgcg 180

tatatgaccg tcgatcattt caacagaaat gaaagcatgg atgtcacgct aactgagcg 240

taatgtatcg gatgcgctgg ctgtttgtgc gcgctgctgc agtcgtgtgc acgtagcgg 300

gtgcgctctg acttgacgta ac 322

<210> 8524

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8524

agtacttggt tggtggacct gaacctgatt ctctgtgaca gtggcgacta aaattgtggc 60

accgcactta ctgtgtacgg aggaacaaac agactggcgt aggcactggg ctgtgcatgt 120

ttgcatctat aaaacagact acaactgtat cgtgattcta cgtggtcctc ggccctggcac 180

actgtaatga gtgctgaatt cgtaggacag 210

<210> 8525

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8525

agtactggtg tggtgaatcg gaaacctgat ttactgtgca gatggccgag ataaagaagg 60

gcacgtacta atagggcacg gaggaacata gagacgagcc tatggcacta gtaaatgcat 120

gtattgcatg tataaacagg actacaaccg tattctgatc ctacagcggc ccgacgcc 178

<210> 8526

<211> 306

<212> DNA

<213> Homo sapiens

<400> 8526

aggtacacac tatgctgatg gcacttagta agtccagcgc atagacgaga cagactacac 60

tagactctaa aatctgcaca cacttcacga aaattgaatg gtatgtggag ctgagaactg 120

atgagagtga tcagatcact tcattgcaac agatatgccg tcagatgacg aggcacctgt 180
tcaactgcta agagccagac gtgccaacat gtctttacat aaatgggcat atgatgaccc 240
acgagaaagg acactaagtt aactgtgaa ccgtatgtca tgaatgccgt gtagatgacg 300
accaag 306

<210> 8527
<211> 626
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(626)
<223> n = A, C, T or G

<400> 8527
tgcaccataa tccctgacgt agatgaaatg ccagtgtcag gagaatgcag acataactcaa 60
tgacaacata nattataaga tgaccactga agtcttggag gctgaccatg atgtgcaatg 120
atgagaatga taaaataaat aacaatgagc ttgatactgt tgaatagatg ttgcagctag 180
acaagcaaaa atattgagaa agctcaagaa attcaataga aaatgtggga cgagttagat 240
ctatggcatt ccacactaaa ttagactgga ttctgaaggt tcagacattg ttgaacagga 300
gccaggacac gctcacgact ggatggataa cttgatgatt gctttccagc agtatcagca 360
ggtatcacag agagcagagt gtagaacctc acagttgaat agagccacag ttaagatgga 420
agaatataga gaccttctga agagcactgt agcttggata gaanatacca gtcatttgct 480
ggccaatgct gctgactatg actctttgga gacactgagt caccatgcta gcactgtgca 540
gatggcttta gaagattcag aacagaagca caatctgtta cattgaatct ttatggatct 600
agaagaccgt gaatagttaa tgaaac 626

<210> 8528
<211> 690
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(690)
<223> n = A, C, G or T

<400> 8528
gcggcgcgga ggtgannnac catagtgcc tggcanaaga ttgaaatgcg ccagggtgna 60
aggaatgtca gaaaagcttt ataagacata gatgagaaga ttancaatga agtcttaaaa 120

```

agctcaccat catatgcaat gangtagaaa aatagaagaa attaacaatg ggcttcataa    180
tggtgaaaag atgttgcagc agaaaagcaa aaatatgtag aaagctcaag aaattcaaaa    240
gaaaatgtgg gacgagttag atctatggca ttccaaacta aatgagctgg attctgaagt    300
tcangacatt gttgaacagg acccaggaca ggctcaagan tggatggata acttgatgat    360
tcctttccag cagtatcagc aagtatcaca gagagcagag tgtagaacct cacagttgaa    420
taaggccaca gttaagaatg gagaatatag tgaccttctg aagagcacnt gagcttggat    480
agaaaatacc agtcatttgc tggccaatcc tgctgactat gactcttttg agacactgag    540
tcaccatgct agcactgtgc agatggcttt ggaagattca gaacagaagc acaatctggt    600
acattcaatc tttatggatc tagaagacct gtcaataatt tttgaaacag atgaattaaac    660
ccaatccata caagaagtaa gtaatcaagt    690

```

```

<210> 8529
<211> 562
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(562)
<223> n = A, C, T or G

```

```

<400> 8529
gtacaccata gtcctgcag acattgagat ccagggtgga ggactgcana agagctatat    60
acaacataca tgataaggag atcagtgaag tcttggaag ctcaccatca tatgcaatga    120
tgagaaaaat agaagaaggt aacaatgggc ttcataatgt tgaaaagatg ttgcagcagg    180
agaagcaaaa atattgagaa agctcaacac attcaaaaga agatgtggga cgagtcagat    240
ctatggcatt ccaaactaaa tgagctggat tctgaagttc gagacattgt tgaacaggac    300
ccaggacagg ctcaagaatg gaggataacg tgatgattcc tttgcagcag tatcagcgag    360
tatcacagag agcagagtgt agaacctcac agttgaatag agccacagtg aagatggagg    420
aatatagtga ctttctgaag agcactggag cttggataga aaataccagt cattggctgg    480
cgaatgctgc tgactatgga gtcttggagg aactggagt caccatgcta aactgtgca    540
gatggcttgg gaagatcaga gc    562

```

```

<210> 8530
<211> 194
<212> DNA
<213> Homo sapiens

```

```

<400> 8530
tacactgtgg aagctgcagg agtgggtgacc gcactcgggtg gactgtctaa ggactactga    60

```

atcattatct agacaacaca accagtgagt ctgtgagacg gaagcactat aagcactgat 120
 gtagtaatga taaaggaagg taacatatgc agcttcatga atgctgtaag aagatgtagc 180
 gacaagaagg aaga 194

<210> 8531
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8531
 actgtgggtg ctgagtagtg gactggaccc gatggcctgt taagcccatc tgtatcagtc 60
 gaacaacaca gccatgtagt tgtagcaggt tgaactgaca gaatggctgg tgtcgcgcag 120
 ggcagtacat aacctgaatc gcttatgcat gtgttgcccta gacacagaga agcaattcaa 180
 taaagtatga cccc 194

<210> 8532
 <211> 402
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(402)
 <223> n = A, C, T or G

<400> 8532
 acacggtggg aggctgagta ggggtgacga acctgcattg actgtatata ccatctgtca 60
 cattatatcc aacacaagaa tatacactat agcaggttga aattatacaa tggatgttgt 120
 atctcagatc tgcacataac ttgcacaact aattgatgct tatataaata cataaagaat 180
 aaatangaca ataagtcaca cttgaatata cgttatgtga tgatgagagc actgagagtg 240
 cgtccagatg tcctcagaac atcactgagc aggaatgagg tggctaatac tctatccact 300
 cagacataac agacaaacga ggcacacgtg aacagngacc gaggatcctg actagcagac 360
 tagggttgcc agattcaaca gaaaaaaatc caggattgac ac 402

<210> 8533
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8533
 gctcaattga tacataggta aatatacata acccagattg ctactaatag accaaaacat 60
 cgacatatgc ctattgtcac gtatatatac tactggcata gtgtatatct attgaaagtt 120
 gatgggatgg cacttcttgt cggataactg acacaaaagt gagggactca tagcaata 178

<210> 8534
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8534
 agtgccactg agcacagagg acacatacct gaccgatatg tgactaagat ctcaacctac 60
 gacctgtggg cattgtaacg gtatctagat gtggataagc gaccatcaca ctagactgtc 120
 gtgctatggg cccgctggta gggacctctc acctggggag tgccgactaa gcttcctc 178

<210> 8535
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 8535
 gagtactact gaaatcaaga atacatgtct gtcggatagg tgacagagta actctacgca 60
 gaacgtgagc acgttgaac ggatgcagat atgtacataa gagaacatca ccaaagagct 120
 cgtggcccat cagcgcacgt agaagactaa catactagtg aacgaaagcc cataatgcac 180
 ctctcaatg gttaggcctg tagcacacac tcgcttgaga ccctgacctg ctaatgctac 240
 agacctgaga ccaccggcac cctgtacctc ggtcgtctcc acgctaata caactgaata 300
 cacggacgcc ggctagtcta cgatatgggc atagctctca acggcgctgg cagcatgagc 360
 tgagtattgt atagtgtgat cgaaatagct aggcgtatgc atggacatag ctgataactg 420
 tgtgaataca gtatacgggt gaaggtacct 450

<210> 8536
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 8536
 gtgccacggg gccggaggac acatgcctgg cggatatgtg gactcagatc tcaagcgaga 60
 acctgggcca ggcgctacgg atgtagatgg acataagaga ccatacacac agacttcgtt 120
 ccacgtccac gctggtggga aacaatcata ctggggaacg a 161

<210> 8537
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8537
 atgtgctgcc gatgtcataa gtgcatggct gttgggatgg ccgcagaagt ggctcgaaca 60
 gacagtttat aagccggtac agttaggtgg agcacataaa caaaaaaacac acaggagttc 120

tttccacatc atgacctcgg tgaactgaat catttgtgctt actatggctt atgtctacac 180
ccactcgagt atgaccatac agaaccatac tcagcagaca gacgaa 226

<210> 8538
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(370)
<223> n = A, C, T or G

<400> 8538
ccgacgtgtg cgtaaagacg ggtgtcagta cagactgtga tgaaggctgt tggagagact 60
ggctggaagc gtatatgacg ttgtacaaga cgtgatacac atagataata tatacacgct 120
gctaactgtg acacatcatg ataatgtact gtaccctgtg tgttgtgctc tagcttgctt 180
ttgcacgcac atngagtacg taacatagat cctgaacatg gactgaccag atccatagta 240
gaatctgaac ttgtacatct cggcgcatatc agtgcataata tacacatgat gctgagccan 300
cacacaaggt gctgggagct gtggactaga cctactggca gctgctgact caggaacgga 360
gcatgagtgc 370

<210> 8539
<211> 162
<212> DNA
<213> Homo sapiens

<400> 8539
atatcggtag tagcagtgc cgcgaatag gtgttagctc aagaacgctc tgacatgcta 60
cgcactatac ctgaacagcg ccggggagga tgaggggctc atgggcaaga tcagcgtgga 120
ggactagaag aaagttctgg acaagtgata tgaagtttta ta 162

<210> 8540
<211> 178
<212> DNA
<213> Homo sapiens

<400> 8540
actatgagat atggacacag acggtgtgag tgtgtgtgtg gggaaatgcga aagcgggttg 60
ctgcttggtg cgttaggtga taaggcaaac tagctgaagt gtttatcggt tgacattaca 120
gtgttggttg ttagaagtgt gatagctcat aggtggtgac taatattggt ttattgag 178

<210> 8541
<211> 194
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(194)

<223> n = A, C, T or G

<400> 8541

taaactagac ccaaaccacg acactcctca tcacgcaccc caccaggtaa cagccttaac 60

gctgcataca aagtggtaaa gcgaaggga cgcaacctca tataaagaga cctgtgtgat 120

cctcactacc cagcgactgc cggataacac aatcaacacc tacaccatca cggcaangac 180

tacacgcaca gcca 194

<210> 8542

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(226)

<223> n = A, C, T or G

<400> 8542

actacatgat gcacanaaat actcgacta aaacaacaca cataatcacc actatttgtt 60

tctatgacat acatgtgtta cacatgatca tactaatgtt aataaggcaa tgtaggtaaa 120

cactgcgcat acgaaatgcc acctaaaacg tgcaagaaag aaggacagtg gggaggagca 180

aggacacaat aagcagctct tgaaaggaac caatgaagca cctata 226

<210> 8543

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8543

tcaggcggat ctaaatagat tagttaagaa aaaagatatg ggtgtgatag tccgcagtga 60

gatgtggtgg gggagtgtgg cttgcgtgga gaatgggtgg ttttgaagac tgagtgggta 120

tggggcgggg gagggagagg cgtgggtggc tgtgggggta tggggggcg ggtgacgc 178

<210> 8544

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8544

tggtgtattg ttgcagtatc ggcatgttaa gatgaaacta ttctgccatc ttactattat 60

tgtatgtgtt ttcatacatt ggagttgggg gatggtttat gttggattac ttaaagtaaa 120

taataacttaa aatccaaaaa aaaaaaaaaa aaaaacaaaa aagcttgtac ctgcccgggc 180
 ggctgctcga tactgatggg gtagtgtggg 210

<210> 8545
 <211> 610
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(610)
 <223> n = A, C, T or G

<400> 8545
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 tcttcccaat atccatgacc ttgactgatg caggtgtcta gggatacgtc catccccgtc 120
 ctgctggagc ccagagcacg gaagcctggc cctccgagga gacagaaggg agtgtcggac 180
 accatgacga gagcttggca gaataaataa cttcttttaa caattttacg gcatgaagaa 240
 atctggacca gtttatttaa tgggatttct gccacaaacc ttggaagaat cacatcatct 300
 tanncccaag tgaaaactgt gttgcgtaac aaagaacatg actgcgctcc acacatacat 360
 cattgcccgg cgaggcgga cacaagtcaa cgacggaaca cttgagacag gcctacaact 420
 gtgcacgggt cagaagcaag tttaagccat acttgctgca gtgagactac atttctgtct 480
 atagaagata cctgacttga tctgtttttc agctccagtt cccagatgtg cgtgttgtgg 540
 tccccaahta tcaccttcca atttctggga gcagtgtctt ggccggatcc ttgccgcgcg 600
 gataaaaact 610

<210> 8546
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 8546
 cacatctgta gactacgtgt tgcgtggaga aggtgtctgc catgtacgct gtgtacttct 60
 acggcttcaa cttgatttag cgccgtggat gatgaggggc tcaggggaag aatgaatgaa 120
 gattgatgaa acatttgtgt ggtcaagtgt ggagcatggg tgcgtggct ggacgcaact 180
 ttgttggtg acaatgtgca gtttaagcac aacaagaaag agctgaagca cgtgtgtaac 240
 accatcatca gctgactgtt gctgagatgt agagcggctg tacctcggcc gcgaccacgc 300
 taatcactag t 311

<210> 8547

<211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8547
 caagctttttt tttttttttt tttttttttt ttttttttga attttaaagt ttttttattt 60
 tgaattaacc aatttaaaaa atgggctggg gttaagggtt ttaaaaaaaa aaaatagtgg 120
 taaaagggcg gtttaattta ttttttgctt gtaaaaacgg gaaaaaaagc aggttaagtc 180
 cttgccgggg ggggggttgg aaataattat ggaatttggg gggggttga gggggagctt 240
 agggggaagt tccaaagggg tgggttgaaa agttggagtt ttttttgggg ttgtttaaaa 300
 agttgg 306

<210> 8548
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8548
 cactctgatg gtgctattat tgtggcagtc tctttccttt atttgaactt atctttgaag 60
 aaaagaatat ggcagatgct gacatagcat atgaacatta agttgaggag tctttattag 120
 ctaaatagct caaaatacag gtggtgaatg ttgagctgcc tattgatggc atataggaat 180
 gagagatacg tgaa 194

<210> 8549
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8549
 agttggcaaa agttcactct ggggaatttt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt 60
 gtgtgtgtgt gtgttttggg aaggggtggg tgaggaagaa gagtgctagg ctggtgtttt 120
 cttactccaa aatggaaata ctgcccttga ttcattctca cacgttatgt gaaaatacat 180
 catagcagtc ttggaaaaga tctacgtctt gggtctgttt agattt 226

<210> 8550
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8550
 tgtcgtttgt ggggtggttt gtgtgttttg gttgtcttcc tgattctggg ctggtttttc 60
 tctttttggg gtttttctat tgtcgatgtg gtgggtgttc ttgtttctgg ttccgttggt 120
 gttgggttct ccttcgtggg gttgggtgtg tgctgtgtta ctgtttttct ctctgctg 178

<210> 8551
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 8551
 caggtcacac agcacatcag tggctacatg tgagctcaga cctgggtctg ctgctgtctg 60
 tcttcccaat atccatgacc ttgactgatg caggtgtcta gggatacgtc catccccgtc 120
 ctgctggagc ccagagcacg gaagcctggc cctccgagga gacagaaggg agtgtcggac 180
 accatgacga gagcttgaaa tctggaccag tttattaaat gggatttctg ccacaaacct 240
 tggaagaatc acatcatctt agcccaaggt gaaaactgtg ttgcgtaaca aagaacatga 300
 ctgcgctcca cacatacatc attgcccggc gaggcgggac acaagtcaac gacggaacac 360
 ttgagacagg cctacaactg tgcacggttc agaagcaggt ttaagccata cttgctgcag 420
 tgagactaca tttctgtcta aagaagatgt gtgagttccg tcctttgtta ttatttttaa 480
 tgtcttaaga tttatttgct taccgtaata ttgacttatt taaagtgtgt aaatcaacca 540
 ccttta 546

<210> 8552
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8552
 tatatgcgga gatggactct actctgcttt ttctatagg acttcatgtg tgtgtgtgta 60
 tgtgttaaag atgtgttggt ggtttccata agggaattct ggaaatcaaa tgtggtatgt 120
 ttatgtgtac ttgtaatcag gttgtcagtc ccttgctgat atggctttgt tttgtgtaga 180
 tacgaaggaa tcttaatctt cgggggtggga tgaagagaga attatctata ttctttgaac 240
 gcgttggtttt aagaatca 258

<210> 8553
 <211> 626
 <212> DNA
 <213> Homo sapiens

<400> 8553
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 gactgacatc tttgagagca agagtttttg tcttattcac ctctgtataa tttccaacat 120
 cgtgctttgc acattggaca ttcaaaaaat gttatacaag attgactgca tcaatactgg 180
 agtgttgtgt gagggttagg tgctgaggct gagaagtgtg tgaggagagac ctgagattaa 240
 acctgccaca taaagtggag agaagtagca aggtcagggc tatgaaataa tcccaaaaac 300
 tttagaattt ctacataata cagttgacac tactattctc aatagagctg ctttcagtct 360

caaagggctg tggatatgtg gcgtgtgtgt gtggtaaaaa agggaagcag caggggaagg 420
aagagaagtg tgatttcaca agacttaagt aatcttgtca ttgctgcttt ttctgccaga 480
aaattattac cttcccttta aaaatcattt tcatatacat ttactaact tccatgtcaa 540
tttcaccctt ttttttctaa taatagctac tatttatctg ggaccaacta gtatacttag 600
gactatgctg ggtgctggag tgccaa 626

<210> 8554
<211> 402
<212> DNA
<213> Homo sapiens

<400> 8554
agacacgggg tgactgagga ggaagttaga cggaggacag ggaacgaagg ggaggcaaac 60
aagtcacgtg agatatggac caattgctta aagatgctac aacacatgtg gaaaagtctc 120
tagcatgatg gcagggagtg gggcgatgta tggatactga ttgcaatgcg cactgagtca 180
taatctgggc aaaccatgag gccgacatct atatccgaag agcggaaact acagggagga 240
tgtgttcggt gctgactatg tgaatgatct aattccacca gagctgcaag ccatggacca 300
tggtcatgca gaggaagatg cctaccacac gctaaggata aagccagatg acctgatatg 360
tgacatggga gtctaagatg tctgctcctt gttctacata tc 402

<210> 8555
<211> 290
<212> DNA
<213> Homo sapiens

<400> 8555
gtacaagctc ttacttctat tgatcctgta tgatctttca cggttctttc ttgggcctca 60
aaaagagaca cttattaata gaaaaaaaaat gacaaggatg tccatccttt ggctcccttc 120
cctccccct cctgctgctc cctaaccctt actatattga gccatggctg gggctgggtg 180
gcaggacagc ccaaaacatg agggcaacaa cattgagggg cataacacta atggaggtgt 240
agcataaggg cccaatggct cgattagacc tctggtctct cacagatatt 290

<210> 8556
<211> 658
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(658)
<223> n = A, C, T or G

<400> 8556
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ctgccatgag ttggaaggac ctatctcctc tcaagagacc agtgctactt cagggactaa 120
gagaattgat ctcagccgaa taagcctgga aagttctgca tccttggaag gatctctgtc 180
gaagtttgcc ttacctggga aatcagaagt gacatcttcc ttcaacgcga gtaatacaaa 240
tatcttccag aactatgcaa tggaggttct catctcaagt tgctctcggg gtagaacttg 300
tgattgtctt gtccatgatg aggaaatcat ggctggctgg acagcagatg attcaaactt 360
caatactaca tgcccattct gtggcaatat cttcttacc tttctgaata tagaaataag 420
agattttaaga cgacctgnaa gatactttct aaagtcaagc ccatcaacag aaaatatgca 480
ctttccatcc tccatttcaa gtcagacgga gcagtccttg atttcaacat cagcctctgg 540
tcttgacaca tctgctctct ctgttcaagg gaattttgat ctaaatagca aatctaaact 600
gcaggaaaat ttttgcaccc gaagtattca gatccctgct aatagatcaa aaacagct 658

<210> 8557
<211> 546
<212> DNA
<213> Homo sapiens

<400> 8557
acacgtgcag catgtcagct cagagcaaac gtaggggcct gcggccaaga tcagtgtcca 60
ttttggccat tacatatgac ttcataaagt gactttgttg gtctgtgatg ccagctctct 120
gaaatgtgca cactaacata aactgggatg gaatacgggt cgtgtgacag actctggaac 180
aggctctgtg gtaccagcat atatggagga gcaaaggacc ggagctgaga atgagccatt 240
ggcgatatga agaagagctg ggtggtgcac tcgggcatag atcgccaggc ttgtatattg 300
cacgtgtcgc atgctctagg cacgttccac tgccaagtgt gactaggaaa atgaccacac 360
cgatgtatat aatgatgagg aatatggagc ttgcgagcct actgtggaca tggctgtgga 420
gatgatgggt gagtactgta tcgaggccaa gcacagatag tctgggacat ggtaatgaac 480
gagtcggtca cgatacagat gcagatgtta tgcagcatgt cagctgtact actatgagac 540
gacgga 546

<210> 8558
<211> 450
<212> DNA
<213> Homo sapiens

<400> 8558
tgaatttggg taatatgtga ctgaaacacg agtggcaata aaaaagcaaa catgaactct 60
ggggtttaat agatcattac atcagtatca tagaccatgt gactgtgggg cttataactt 120

gtgtagccta atgaagtgcc aaaaaagaga attatgattc aaggggagcg gatgaacacc 180
 actattacag ttacagttta tgctgtatat ggattacatc aaacaaacaa agaacttgct 240
 tgccaatata ttatatatgc tctgtgaata acggatatgt atgtagtaga ctgtactcat 300
 gctaatacaa aatgctcagc gatatatata cgaatgcgac tggacaaact gattccttca 360
 gttactgatg gaagggcggc acgatcttct gaatatattg catacctgac atactgacgg 420
 gaagaggaag tgatgagaag cctataaaaa 450

<210> 8559
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8559
 cacatgggga ttatatTTTg tattggcaaa atgagaccac agctggcctg ccatcagatc 60
 aacataaaaa ccagtattat ggtatatgag atgaatggat agaggtgggg tttattcctt 120
 attatagaga aacaaatgta tgtcttcac cgtcttatta gggacatgaa tagacgaatg 180
 tacaagtggc ttgcctacga gcctgtgcgc ttggcctacg agatcaatag ggggagacag 240
 aaggaataaa cgatgggggc tggacaaactg aggt 274

<210> 8560
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8560
 acgggggggag gcctttcgtg cgagttttgc ttcacaagga aattagctgg aaaaggcttc 60
 ttaaagaaac acaagggaaa aggaaatagg gcacaaggta ttattgaaat tcttttaaag 120
 agcagtagga gcttgaaagt ttagaacctc cattatgaat tccaaccacg gaaaagcc 178

<210> 8561
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8561
 gggtagacaa gttcatacag acatctgtca tattctgagc agcacatatg agagaagctt 60
 tgtgttctcc ttgctctctt gcatgtttgt tttgagcttg tggctccaca gagactctca 120
 tggatttatg acaaaattgg catgcgaatg atttttgaat cataacttgt ctattattat 180
 gctgtagtgt ggta 194

<210> 8562
 <211> 322
 <212> DNA

<213> Homo sapiens

<400> 8562

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actactgtag tactggaatt tttattgttt taaatgggta gaaaaatggg aatataataa      60
tatatgatat ataaacttta aatgaaaaaa aatgatgtat tgtagatatt tgatgtagtt      120
ttatTTTTTT aattaatcat aaatcagact ttgattgtat tgtagtgata tatgactttg      180
aatatattat aaatgggaaa tgttgatttt ttaataatag acttatatgt aggggtgttgt      240
tgcggttatg ttgtgtgagt gaagtgtttg gttttattta gtgtgggtggg gtttatttaa      300
agaaaaagaa ggtagtatta gg                                          322
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<210> 8563

<211> 354

<212> DNA

<213> Homo sapiens

<400> 8563

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gtgctactgg gaacataatg ggtcaggtgg ctatctaaca cgaatgatca atgtgactac      60
atctgaacat ggtgttcagt gtgtgagact cacacagagc tttaccaggg tgtgaagatc      120
tgctgtgtgt gcgagcttct tctattaatt aggaggactc tgtgatggac tgacctggat      180
ggcatatata tgggtcgatt gcctcagcag atgagtatct gcagataaag cgacgttatg      240
aggtaggtga agatcaagac aacaacatac cttatttggg acgactgagt atacacagtt      300
aatgagcata aacgaaatgt tatatatgat gagtgagctg atggcgagaa acag          354
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<210> 8564

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8564

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gttttttttt tttttttttt tttttccagc tcaacccttc tttaatgtca tccagggagg      60
gggccaggga tggaggggag ggggtggagga gcgagaggca gtgattgggg ggtgggattg      120
accacttggt ccatgaagag gggagactgg gtatttgggt caatcatata aaaagacaag      180
ggggtgggcg aactggacct ggggggggat aggacggggc atgggc          226
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<210> 8565

<211> 370

<212> DNA

<213> Homo sapiens

<400> 8565

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acagaggacg ggaacaacaa agagtctgtg aacacacatg caaaaaaact ccataatctt      60
atgtacgcag actgaataat gatctgctgg gatgggaaaa tgacgcaaga acacggatgt      120
cacgaaacat accgtataaa cgaggtggtg aatgaatgta aagaaaagct gtacgtagtc      180
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ctgcagagga tgtaacatga agatcaagca gctgataagc tggcagatga catcacacaa 240
 tacataacag cctgcaacaa ttatatcaga tagagagaca gaacattatg atgaggaaca 300
 atgaaatgat agtgatacag acaacgatgt agagaccata gcttgaaatg atggaagaaa 360
 gtgaagtga 370

<210> 8566

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8566

caactaggaa atatcggaga atgagactca gaagtatgct atgggatgct accttgaagt 60

cagaataacg ctgtgtttac catggaataa acgttaaatt actgttgctt tttggataag 120

tatgtattac ggcattgctgc acgataacac cttgtcgatt taaatttgat tttttgtttt 180

cgtccatcta atgcattaca tgctcatctc gaaagactta aaatat 226

<210> 8567

<211> 194

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(194)

<223> n = A, C, T or G

<400> 8567

acggatgatg aaatgatgac atcatctacg agtgcattgct tgtaaaggac agcttagaac 60

agtcctatat gaacaatcac acctatcatg actggataaa ngaggcctag cgttgggact 120

gatacacaca caacaacaca gtgaagatgt ttattngagt gtatttattc tgatgccata 180

ggtaatgtag tttt 194

<210> 8568

<211> 578

<212> DNA

<213> Homo sapiens

<400> 8568

ggtacaatac gtgcatcatg actgtcatta gaaacttggg gctatgtggc caagttcact 60

gttcattttg gtttttccat tttcattcag aaagtcctt tggttggtctg tggagaaata 120

tatatggaag tgtcacagta acatacactg tgatgtaatg tgttttatgt actgtttttg 180

agacaggctc tgtgacagtg atcatatgat ggaggagcat aggacgagag cagagaaaga 240

gtcaagataa agccgaacaa gaccggaaat ccggaattgt gcacagatag ataaggctac 300

cctagtcagt gacgcaggat acagaagtgc ttgatctact gtgcttaggt gttttatttta 360
 tatttagatg aaaaaaatga taaccaccat ctaaagtcac agagatgctg tgaagagatg 420
 tggaagcaat gtgagtgttt tgataataac ataaaggact gaaagggggg aaatagtagc 480
 ctataaagta gttaaggatg catatgaaca taaaaaaca gagcaagaaa ccggaaaaaa 540
 agaaaaagaa ggagggaacg aagagcaaaa aaaagaga 578

<210> 8569
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8569
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 caattttattc aagatactcc aaatcaaaaa cagggcacaa caccaagccc gcggcccaac 120
 acgcgacgga caagctgaaa atgttttttta agcaagtggg gggatatttt gttgaggcgc 180
 gacgaagaga gaacaaaaaa ccacacaaaa caaacaacga aaaaga 226

<210> 8570
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8570
 acagtcacag atgaaacaac atttgtaagg accatttatg taaactgctg agatgttatg 60
 ttttcattttt ggttttcaca gacacattca agctctgtcc gacatgccat taaagcactg 120
 gctcagaccg cacgcatatt ttcatttttt aagtaactgg taagtatttt tttttctcaca 180
 aacgcacacc ggta 194

<210> 8571
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8571
 cagggactcg ggctaagatc atgtgaatcc agtggatgtg ggtcagatat ggacagtgtg 60
 tgactagtgt cattaatcta tgactgaatg ctgagacaca cctggcggtg ctagaaggaa 120
 tgaaccacaca aaggaacgca ccagcaatgt gttcatgaca catatgatgt ttttttagtat 180
 atcatacaca cgcgagaatc atcactcgca gacttagcgg cagagaacta tagagacgac 240
 gactgtcagc gagcagccga aggtggcact ccaa 274

<210> 8572
 <211> 274

<212> DNA
 <213> Homo sapiens

<400> 8572
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 taaatcaatt aaagatttat gaaatttatt ggggtacagg gaataaccgg gacaaaaggg 120
 ggagaaaagt tggtaaaaca agtgtatttt aaatattcta tacaattttt tttgtgtaca 180
 tatttggaag tgatgggtat ttaaaaaaac cgcataaaaa tccacaacct taaatattct 240
 gcaaaaacaaa acattagggt ctctcttcct taat 274

<210> 8573
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8573
 gttaggggga aaattattaa tgattaattt ttatttttgg gtgtattggg atttgtgttt 60
 cttattgtat atattgtgga aggtgttggg agtgaagttt ttgatttaga gatttgtgtg 120
 agttttatta ttataatgat tgatagtgg tagaataaag ta 162

<210> 8574
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8574
 aaggcttttt tttttttttt tttttttttt tttgggtggg aactcatttt tttattctta 60
 tatattatat attggatatc ttacgaatg ggatactttc catttggggg cagtgcacagg 120
 tggtaaaaaa atttggaac atcaggctcg aaatagtctg agatgggatg gacttataag 180
 gggcaactgg cacattcaag gactgtatga aatggcatta aaggactggg ttacaatgga 240
 ggggtatctc taaaccggga gtaactggaa cgca 274

<210> 8575
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8575
 ggtattgatt atggaaaaaa tgaatctgtt taggggtttt ttcccttaaa ggaagggaag 60
 gaattttttt ttatgggaaa aaacaatagt taaaaaaata aattgttttt tgggaataaa 120
 taacacgtta aatggaatgg tataaaatat agatatattg ttaaaaaagt ttacctttgg 180
 gtataataac aaaaagggga atgggttttt tttgtaatga aggccggggg ttatgtggaa 240
 gcaaccaata ttaagggggg tgggctgtcg atttagcttt ggggttaaaaa aaatgggtttt 300

ggggctgtta attgttattt ttagggggga aaggggggta gaaagttgtt ttaa 354

<210> 8576
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 8576
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 ctgtgatgct actgatatct tttgtcatct ttctgattgt gggatgagga aagtcttcat 120
 gtttttatga tatctctaata cttgtacacc tcggaggagg tgtgttttca tctggggcac 180
 ttgtaatggg ggagctttgc tcgatatgcc atttttgcac tggataagat agtaagcata 240
 tttggcaact ggggggcaac tggatagcat aaattaaatc ttaaagtctg gttgtgccat 300
 ctatggaagt aaacataatg accaggggat aatgcctagg ctgggtgagt atacggccc 360
 tgaaatatag gcttgtatgg gcatattctt ggactaattg ccacaagacg aaggataaag 420
 agaaaataga acag 434

<210> 8577
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8577
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 ttaagtgtgg tgttgtgtgg tgttgtgat gagttgtttt ggtagaagt gtgtgtgagt 120
 tgatcgattt agtaggggat gtttgataat gggttaaatt tatgtatgtt agggtaatat 180
 gaatgattta aatgattttg tgtgaaggag agattttatg aatgaaaaaa gaaaggtaaa 240
 at 242

<210> 8578
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 8578
 ctcgagggtg ttggcttggg tgatgcttcg ccagggtgagg cgattgggtg gtgcgtgtca 60
 catacttttt ataatcaciaa ttcacatcca gtgttgagct tgcggcggtg ctgtggatga 120
 acatgccaca cactgtccga cagggtggaga gatattgtga aagtgtgggg attggtgagt 180
 gagtggtttt gtgtgatgaa tctggcgatg tactttgcgg tcggatgagt ggtgtctgaa 240
 tgagtgcgtg aaggctctga catatttgac aggagtgggt cgttttgtgg ttagtgtcac 300
 cgtacgtgat actgatatgt gatagtggag gagatgattg tgtatattga gaggatgggt 360

caagagtgaa gtgaaagaga gaaaaagttg ggagggagtg gagagattag aggaagatga 420

aaaggggatg tgggtgtgtgt gtatgtgagc 450

<210> 8579

<211> 290

<212> DNA

<213> Homo sapiens

<400> 8579

caggtacaag cttttttttt tttttttttt ttttttttta atttaaata 60

aataaagaat atgaaaattt tttgggttca ggggataaag tggaaaaaat ggtggaaagg 120

agtgggttaa aaaggataaa taaaatataa taaatattaa ggttgggtta aaatttggtta 180

aggaggggta tttaaaaaaa atggaaaaaa attcaatact taaaaatttg gaaataaaac 240

aaattagttt ttttttatat aaaaaagggg gggggaatgt ggtggggtta 290

<210> 8580

<211> 402

<212> DNA

<213> Homo sapiens

<400> 8580

aagctttttt tttttttttt tttttttttt ttggtttaaa ggtttttttt tgaaaaaaa 60

aaaaaataaa tgggggtttt atgttttttg aaaaagaaaa aaaaaaggga agggggacat 120

tcccatggg ggaaattttt ctttgggtta aattatttta attatgggaa tgaaaactta 180

tatcaataac aagggacatt aaaaaatat taattaaaaa aaagggaagg gaatgggggg 240

agggagtcctg ggggtgggag ggaaggggtt tatgggaaaa cattcggggt taaggggact 300

ttcctggaaa atttctgggt ttggggagat taagttaatt tcagggtatt caaatttctc 360

gggcgggggg ccgatgcacc ctaatgatc gaccactag cc 402

<210> 8581

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8581

gtgttttttg atataatgaa accttttaag ggggttttac gcttaaagga tggaatagaa 60

tcttttttat ggcaaaagga taatgatcta agatataatt tgtgtggtgt gtttaaata 120

cgatttccaa tggaatgtga ttaatatcta tctgtgctca cgtagtcttc tctgtggggt 180

catagggata agtgcgattg ggtctcgttt gtagctaacg agaggg 226

<210> 8582

<211> 338

<212> DNA

<213> Homo sapiens

<400> 8582

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gcacggagga tcattgttct ctcttctttc tctgcaggct tgacaagtcc atcttatatc      60
tttggtatat cagcatccgc acgttcatgc tggctaaaga agctatcttg gatgattaca      120
ttacatatgt tagtcttatt gtggggatac tgttttgccg atgatggttg tttgaaagct      180
gcgatttgat gtaccaagtt ttgattttct gccttttaaa tattttgttt tttttttctg      240
ttatgttgta ggggtgatttg ttgggtggttg agtctttctt taccattatt gtaacccttg      300
tttatttttg ggataattta tgtattgtat ttaatttt      338
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<210> 8583

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(466)

<223> n = A, C, T or G

<400> 8583

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cccaagactc tcatgattgt tcgaccttg gggctatttg ttttatgac atcattcaaa      60
tacctgcttt ttgaaacact aatgcctacc tgcctgggt ggtaacaatg ttgtaagggt      120
tgctcatttg agtgaatgta ttttatattt ttttcatctt ggtactagtt ttttgttatt      180
tctttcgtaa tattctactt gggtttgatg tatggctact atctcttatg ttttcactca      240
tgtacttang ggcttttttag gttttagttg ttaatgtgtg tggatatttg ttctctatat      300
tgttcataga tattttattt actgattgta gtgttggtta attagatga tttcatgatg      360
aactcattaa ccaggaaatg gacgtgcgta atacgtatat ttttgtttt tgactgtgtg      420
ttctttaata agttcttgaa ttttctattg cgagtgttag atggag      466
```

<210> 8584

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8584

```
gttgtgtttg tggaaatgtg accttttttg ggggtttttg cttctagggg agtggatggg      60
tatgttgttt atggaatgag aatttttatg taaaaaatat tttgttttgt gtgtattaaa      120
agggttatta gatgatgtgt tcttatttta tatttatgtt aagggatggg atttttgggt      180
tttatttaca agagagtgtt ggggtgtttgt      210
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<210> 8585

<211> 338
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(338)
 <223> n = A, C, T or G

<400> 8585
 ctggccttca aaaagtcgta gtggctatatt tttttggaca aaagtaagaa atgttggtttt 60
 aggagtaaca cagttcaaaa gagcttttaa gaagcatgca cacttatcac aaacaactct 120
 ntcaggtggc cagtctgata ttggatataa ttcattatct aaagatgaag ttagaagagg 180
 ggatacatct actgaagaca ttcaagaaga aaaagataaa aaagggagtg attgtagttc 240
 cttgtcagag agtgagagta cctcggggga agaagcatgc atgtctgtgc tgatcccagt 300
 gaatcctggg tccaggagta cctgcggtat ttatTTTT 338

<210> 8586
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8586
 gggtagtga acttgtagt tttgcatcct aatgtatgct aaaaaatttt tacttccaac 60
 accatgatata tatgagcgac tgttttgtgc ttgctaata tgctacctgg gctgtgatct 120
 acacagactg taagtctcat tggggacaaa ctgctccaag gaactgttgt gattgtaacg 180
 ctgctatcgg gatgaaacct ggcgcttcag 210

<210> 8587
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 8587
 tgattatgga atcgtgaata tatacaaggg ttttttcccg tataggaatt gaatgcacta 60
 tttctgatgt gggacacatg ctctttgata taatacattg atgtatgtga ttgaattatg 120
 tgtctcattg atgatgatata acatactttg atatacatgt aatgtcttct ttatagtgtg 180
 atgtatgata gtgcaattgg tcaccatttg tggctgaggg taggggtagt ttggaggatt 240
 ccaatcttga tatattttaga gtatgcatca tacttttggg tgaaattatt cttgtcttgt 300
 gatatatcag atattagctc aagggaacttg ttatcaatgt ttttgtcgaa tgactttgat 360
 gatgttgcta tgctggcaca tctctcagaa gatgtcaagg gcacattctc agattgctcc 420
 acatcctatg cattctattg aaattctctg gctgcgtctc atcaca 466

<210> 8588
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8588
 gggtagatca gctgcgcca tcatctccga ctgcatgctt gacaagtcac atacttataa 60
 cacacgtata tcaccaaccg caccttgatg ctggctataa gagctaaata gggagataac 120
 aacacaccgt acggacactg gggacatatc gtaacacagg agtcataatg gagagaaa 178

<210> 8589
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 8589
 gtacaagctt tttttttttt tttttttttt ttttttttat aaaacaacgc aataccaacg 60
 aaatatgaga caaaacaata aaaaccaaag aaagaagatg gggatagtag aaaaaaccag 120
 gttgcttgca aaaaagacac atattacctt aggtccccc aaagataatg atggactttg 180
 aaaaaaacca aaataaaata cggaaaataa atattaaata aataaaaaca taaaacctac 240
 tgttataaat aacataaagg agagttaaac ttggatgaga tgcttaataa aattaaagta 300
 tgatgcgata agaataaaga actattaatt ggacaagtcc agagaggcac aaattactat 360
 gaacactaaa ccctccatga tgggcaagag gaaccggcaa cccagcggg gaggtttatg 420
 gtctgggggg acgtccgatt ccaggggaga aaaaccagag cttgtaaacg ttattgagac 480
 ttctactgga gagacgcaca atatatttca caccaatctg ttgtgggagg 530

<210> 8590
 <211> 386
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(386)
 <223> n = A, C, T or G

<400> 8590
 taccggttgg ggtcccaagt gacagtgtaa ttccaggggg aggtggagcg gctctcgatg 60
 ttacgtgaca tggaaacgcg ctggttttca ttgatgatgc caatgtcaag cttcatacta 120
 cctcctggca caggcgggca actctcangc ttttggaana aagtatgtcc tactttgggg 180
 attttccgag ctgccgcctc actcagaaag gcaagcccca atatcgacag cagcaagtac 240
 ttgaccatgg ctgggccatg cagggtcttc actgtcatgt tgcgctgggtg gcttactttg 300

tgcaggaagc tctttctgtg aatgtatctt cctgaccctg ccgggcggaa gataaaacaa 360
 aaacgagaag aacaagcaag acaaga 386

<210> 8591
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8591
 tattaaaaaa cctaattctt cacccaattt ttttaattctg ccaggaacac ccaataatat 60
 ttttaaatat atcactttta tagacttttc ttttagatgt cttttcttgt aaaggaagag 120
 gtgatatggt ttcatattga tgtgcttaat tcaagttgat ta 162

<210> 8592
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 8592
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 tttttttttt tttaaaacca aaatattttt tggaggatta tttgggggtt tttttaaaat 120
 gaatggggtg gtggaacagg gggccttttg gggttggggg ggggtctttt ggggggtcca 180
 tgcctgaatt ggggggatta aatttttagg gggcctattc gaccagtttg ggggggtttt 240
 tgttttttaa ccgtgggcct tccaatttta ctttttttgg ggcttggggg gggagcccaa 300
 tttggcacag ggggattttt ggaggggggg gggcttaaag ccacaggggg gggaaaaagg 360
 ggggctttca ttgggaccct ctaaaa 386

<210> 8593
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8593
 caagcttctt tttctttttt ttttcctttt tgactttatc acaaaagtcc aaattatgac 60
 ccatgaaaaa atagagcgaa ataaccttac tgatgaaaga atacatggac ctctgcatag 120
 atcacaagga catgggggga gaagggcgcg cccacgccgc ct 162

<210> 8594
 <211> 194
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(194)
 <223> n = A, C, T or G

<400> 8594
gaccgtccta agtaatcaca ccgtacactg cacacaaaca tgggcaacca gcagctgctc 60
ctgcatgctt taagtgtagg aatnacatga acatgaaata gtggacaagg agaaacaaca 120
ggccaaggaa ccagctatca taggacaaga cagaaatgaa aagacatgac caacgtactg 180
gagcggcgtg atag 194

<210> 8595
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(402)
<223> n = A, C, T or G

<400> 8595
tgcttaaccg atggctctga tgtggtcagt gaccttgaac acgaagagat gaaaatcctg 60
agggaagttc ttanaaaatc naaaagagaa tatgaccagg aagaagaaag ggaagagaaa 120
aaacagttat cagaggctaa aacagaagag cccacagtgc attccagtga agctgcaata 180
atgaataatt cccaagggga tggatgaacat tttgcacacc caccctcaga agttaaaatg 240
catttttgcta atcagtcaat agaacccttg ggaagaaaag tggaaaggtc tgaaacttcc 300
tcctcccccac aaaanagcct gaagattcct ggcttatagc atgcgagcat tgaaagacca 360
atagcaaact tatcagtacc tgcccggcgg gcggntgcag gg 402

<210> 8596
<211> 210
<212> DNA
<213> Homo sapiens

<400> 8596
tttttttttt tttttttttt tttttttttg gtttttttaa gtttttaaac tttttatttg 60
cataataaaa aaattgtgca ttccaataat taaaatcatt tgaacaaaaa aaaaaaaggc 120
actctgaata aactggatta cagcctggca ggacacctgg gccagcttgg ggctactcta 180
aaatccactg gcggcccacc ccacctcccc 210

<210> 8597
<211> 210
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1) .. (210)

<223> n = A, C, T or G

<400> 8597

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cccacactgt caaatgtcaa ctccaccagc atctganaac aatgagtagt atgatgaaat      60
gtagaaagaa ggaaggtggt aggtaaagga gcggaatgaa cgagtgggga aaggaggaag      120
gagaganaga gaaagaggaa gagaaaggaa gaagaaaaag acagcatggc ccggcctaga      180
cacaaaacca ggaggtgatc aagctcagca                                     210

```

<210> 8598

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8598

```

cgctgattga aacaccacta tattttcttg atttaaaaaa accttctact acccctcaaa      60
atgaagaaat tcgatgagtt gttatactaa taagatagcg gcctatgact gaaaatgctg      120
tccgccaaaa tggacgactg gtcaaaaatg acacactgta tggacaatca acaacacaca      180
ccacccccga aagcaacgcc ggcaggaccg                                     210

```

<210> 8599

<211> 290

<212> DNA

<213> Homo sapiens

<400> 8599

```

gaggctgagt cctgctgggc ttggcaacga gggactcgga ctgggcagcg acccagacca      60
cacagacact ggggtcaagga gtaagcagag gataaacaac tggaaggaga gcaagcacao      120
agccatgatg gctacagcgt gtgctggtgg aaaccaagat aaagatgccc attttgcacc      180
accaagcaag cagaggctgt tgtgttgtcc aaaatcaaaa ctgcacatca acagagcaga      240
gatctcaaag attatgcaag aatgtgagga agaaagtttg tgggaaaaag               290

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<210> 8600

<211> 258

<212> DNA

<213> Homo sapiens

<400> 8600

```

cgggctcgga ggccgcttca cgttcacctc ccacacgccc ggtgaccatc aaatctgtct      60
gcactccaat tctaccagga tggctctctt tgctggtggc aaactgggtg tgcattctga      120
catccaagtt gggggagcat gccacaact accctgagat tgctgcaaaa gataagctga      180
cggagctaca gctccgcgcc cggcagttgc ttgatcaagt ggaacaaatt cagaaagagc      240
aagattaaca aaggtatt                                             258

```

<210> 8601
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 8601
 aagctttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 taaaaaatg aaacattttt tttaacagaa agaggggtggg ggggggtgggg taaaaaaggg 120
 tttttgagaa agttttaaac cgaccaggt cttgggggaa atttttgggg ttaggggggg 180
 gggaaaaaag gcctaagctt taggaggggg aatttggggg tttttgtgg ttttgtttaa 240
 aatagaattt tttttggctt tttttggca ctggtggtgg gggggggggg ggaaaagggg 300
 ggcacaggtt tctgtttttg ttttgtcccc agatgttt 338

<210> 8602
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8602
 gaaggcatga tgttttgatt tttttttttt atttattatg ctaaataagg gttaaacagt 60
 gctacaagcc ggcaaaaa tagtacggat ttcacgggag aagaagcagg accacggcga 120
 atagaaatga tgccgaacca aaaagctgag aacatgttgg ga 162

<210> 8603
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 8603
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 ttttttttta aaacaaaaa atttattgga tgattaatgg ttgacttttt taaaatgaat 120
 gggatggtgc aacagggggc ctttgggggt tagggggggg tccttcaggg aatccatgcc 180
 tgaattgggg ggatacaatt tttaggggcc ttattcgacc acttcggggg gtttttcctt 240
 ttttaccctt ggcaactccag tttttctttt ttttgggctt ggcggggggc ccacattggc 300
 caaagggcga tttttgaagg ggggaggcct taaagccaaa ggggcggggc aacggggggg 360
 ttttattggg acgctttcaa aaagaagaag tttcttttgt ta 402

<210> 8604
 <211> 494
 <212> DNA
 <213> Homo sapiens

<400> 8604

tacatcttaa ataagcttaa taatttttggg tcatcttaaa gtaaaaatac attgaaatga 60
 atgagagaga tctagatttt aaaaaagttg accattcatt attgctggaa ctgaagaaag 120
 gaaggataca ctggcatcac gatttgtcta cataagtcca gttcatctcg cgtttgtttt 180
 ggcaagaaga ggacactaca aaactcacag tgcagtcaaa acaaaacaaa acaagaaaaa 240
 agcacaaaaa tggctcgggtg ggaaccatat aacaaaacta catctcaggc agctctttct 300
 caaggaagat tctaagattt tattatgtgg ctaattctaa attggaaatg gaacatgcoo 360
 gtatgtgaag caattggtgc taggacttta ccctttgctg atatgcaatg ataatgtgat 420
 gagctttagt gactcttgaa tcaggataat cacactcttt aggtacctcg gccgcgacca 480
 cgctaatacac tagt 494

<210> 8605
 <211> 178
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)..(178)
 <223> n = A, C, T or G

<400> 8605
 ctctngagct tgtatggagg taagagtaga aacaccatta tgattgtaat aaacgagtgc 60
 ttgaatgatc tggttatggg tggctgatat cacactatgg tgtagctcat gtgagtgatg 120
 ctcatgatgc tagtaatacc gatgtgggta tggatggaga ctaatanggg gattgatc 178

<210> 8606
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8606
 taaggaaaga agtaagaatg aaattgaaga aagatgatta tgaaaaagaa gggagaaaaa 60
 gagaaaaata atttttttat gtttttatgg ttttattttt ttttgatatt tttttgatta 120
 aattttattt ttatgaaaag aggtttgtgt tgtttggttg attttttttt gttgtataag 180
 ggattgtttg ttga 194

<210> 8607
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8607
 gtactgtttg gtaccttgga ttgcatgagt tgggtgggggc cggcgggcct agccactggg 60

cgtggaacga caccggtaat agtgttgatg gagtgtggaa tagctgttac ctttactat 120
 gaccgctata acacatgctg aacgatggat cccattgcac aattgtatag tgttgagggc 180
 actactggga gcgattctta tacccaacaa gcgatacacc gacataacaa atgggtgggat 240
 gggataatg atcatctgtc gctgccacat cgataaatac tgaattgata gggaatatgt 300
 tggttg 306

<210> 8608
 <211> 306
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(306)
 <223> n = A, C, T or G

<400> 8608
 gacgtgctcc acgtggaacg gtggttccat actgtccctt ctgtacacta tacaacgnat 60
 gtgagaagca aaacangatt atgatgagat atggccctac atggtttacc gacatatgct 120
 tatatgaaag actatgactt attctgcgtt acatcacctc tgttgtaaa gatggtaact 180
 tgcgtataag acatgatgag attgggtgtgg ttttatttga atttttgggt ttgatttggt 240
 ggttattttt atattgtatg agttgagtat tatatttttag taacggcaaa tgtgtcaccc 300
 acattg 306

<210> 8609
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8609
 gggcaggtgt acgcgtcgtt atctaatttt tctgaatcgg aggccaaaag aacaaacaag 60
 ggcacgaaaa taggccatgc cttttttgga catttataaa aggtttttgt tttattttat 120
 atagatgggt gattatttat agtgggtgaac agttgtataa gatggttggt tgttgccatg 180
 tttttgaaaa tataatggat agattgtgtt catggaattg gtttatattt tgataataga 240
 at 242

<210> 8610
 <211> 226
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(226)

<223> n = A, C, T or G

<400> 8610
 ggctactgnt ccaaggaggt aaaaggtagc ttactgggtg tcctcccatt caggttanaa 60
 ggagnaggtc tgcggnctag gnagnntcaa taaagtggat tggctcttagt ggggcgaaat 120
 attatgtntc ttgttggttg gtatatatgg nagggatggg gnattattgt ctaggtatga 180
 gggatgggtat agtgaatagg ggcaaggcac gtcctcccta gttttg 226

<210> 8611
 <211> 194
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(194)
 <223> n = A, C, T or G

<400> 8611
 gctgcaacgg ctattattca tcctagtggg ntaatggagc antaggttag tattttgcgt 60
 tgctgggttt ggtttaatcc acctcaactg cctgctatgt aggcataata ttgagtatag 120
 tgaggagaag gcttacgttt cagtgtgggc atagtattgg gtatatggag cgtagatggt 180
 ggactgtact tgtg 194

<210> 8612
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8612
 ctgcaagcag gggggacgag caacgtgaga tgagcagggg atggccaggt gaagcggctg 60
 gagatgtttt aatgcaccgt cgcaggggtgc aaatgagaga gatcacaagc agcaaaacaa 120
 ctggatgaga cgatgggagg ggcaaggatg ccagatgtca agagatccat agcgctgaga 180
 ggaatgtggg agggggatgc tagagtcata gtaaagggga aaccctatgc tagctgtcaa 240
 cagagttcac aggggggtacg ggataactgt cggt 274

<210> 8613
 <211> 157
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(157)
 <223> n = A, C, T or G

<400> 8613
 gntacatggn cctgnttctc ctatatggna anaaaaanac atcccccccc tгнаatttcc 60
 cagntcctct gnagnattta atgggtgcct aaggagcata taatgaatgt cattgccatt 120
 tacgaggtac ctcggcccgа ccacgctaаt cactagt 157

<210> 8614
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 8614
 ctactgttcc aagaatggta aagaggtagc ttacgggtgc tcctcgaatt cagttaaaaa 60
 gaagggggcgc ggcgctagga agtcaataaa gggattggct ttatgtgggc gaaaatatta 120
 tgcctttgct gttgggcata tatggcagga tggggaatca caccaccacc аcaacct 177

<210> 8615
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8615
 tagggggggg ccccggggcg agggggcaca аcaatgtaaa ggcttatgct gggaggaaaa 60
 gggcaagggtt ttgcgggtgt ttttttaaaa attatttttt tgataggagg gaagaaccgc 120
 ccttcgaagg gaaaataagg tacctactaa aaaggggccc ccttaattta aggttaatgt 180
 gttaaagggg gatgccgcg gtccctgggc ggcaacaacg taaataacaa gggaaactggg 240
 ggcgcgggga ggggggaaaa taggggaaaa ctcccaacaa gggggatgaa tagttgggat 300
 ttтата 306

<210> 8616
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 8616
 gatgtgatta tcctaattca agagtcacta aaactcatca cattatcatt gcatatcagc 60
 aaagggtaaa gtcctagcac caattgcttc acataccagc atgttccatt tccaatttag 120
 aattagccac ataataaaat cttaaaatct tccttgagaa agagctgcct gagatgtagt 180
 tttgttatat ggttccccac cgaccatttt tgtgcttttt tcttgttttg ttttgttttg 240
 actgcactgt gagttttgta gtgtcctctt cttgccaaaa caaacgcgag atgaactgga 300
 cttatgtaga caaatcatga tgccagggtа tccttccttt cttcagttcc agcaataatg 360
 aatggтcaac ttttttaaaa tctaaatctc tctcattcat ttcaatgtat ttttacttta 420

aaatgaacca aaaaaattaa acttatttaa aaagagaact gccggg 466

<210> 8617
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 8617
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 gttaggggct taaaaacatg gcctgcccc gggaaactga acaagggata gagggggagc 120
 tccccaggc tcctgtgtgt ttactaaaa gggcaacagt ctcaagtggg ggctggaggg 180
 gaatacactg tttttaaggg ttagggaaaa gagggtgagg ggatggaatt gaaaaatat 240
 atttatTTTT aaaaatattg gggagggaac tctctactga ctttgaaaa cgggaaacaa 300
 gtgggcccct ggggcgaaac aaccctaata actaggggaat tggggggcgc cgggggggca 360
 aactagggg aaagcccca acgcgttggg agaatatctg ga 402

<210> 8618
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 8618
 ggcacgcggg cggggtgggg gcgcacccc ccccttctgg cgcgcgcgcg gtgagggggg 60
 gggggcgtgg gaggatgggg ggatacagta tcaaatgaaa aataaatgtt aaaaaatcaa 120
 aaggggcggg ctcttaaac aattttggcg ggccaaaatg tgagggtatg gaggggaggg 180
 aaaaaaaaaag ggggggggca tggggggcgg tgggtatatg gttctttacg ggggggggga 240
 tagggatgga cgcagcgggg gcgcccccta cgacaaacca cccgcaccct gccctccaca 300
 catgcggggc tctctaaaca tggcttcctt ctaagaac 338

<210> 8619
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8619
 tctggtcaaa agtcaaaaa atggagttaa caatgggcat aaatgtaaaa agtgactcaa 60
 atgggaggaa aacctggggg ggaaggaggt atgcgggtga gtaaaaactt gcaaagcagg 120
 tggttaccct ttgcatgga acgctcgct taatacacct gattaagcac acaaggctgg 180
 ttgaaacatt aggcaggag ggtttgtgtc ggctgggcag gaaggggggc atcacgctgg 240
 aagaggaaag cagcgact 258

<210> 8620

<211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8620
 gctgggtctgg acggtcaaga aaatgcggga taaactactc aactggctac tacgtggaat 60
 gacactgtta tcgtcatcgt acagaacgac gacatccaaa cgcattattgt agagatacgg 120
 accagtgtat ggaccagggg gatcgaggaa acccgcttca tctaataatga cctacactta 180
 taatatgttg aatgaggatg gtgagtggtc tgagcggaaa aaggggaccc actgataaga 240
 gg 242

<210> 8621
 <211> 226
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(226)
 <223> n = A, C, T or G

<400> 8621
 angaaataag actgaggggtt ctatctacac ttgtagcgga catcaaaca ctaatgagcc 60
 aattcctcct gctgcaactg gtctaacgga tgcagcagtt tatactgac gacatgatct 120
 ctaaagccca taagccgaaa aatggcatct gagatatgct gggccaggtg atgtttgtgac 180
 gagatgtcag tgatcagatc atctaccttg tcataggcca tgaact 226

<210> 8622
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8622
 aattgccaaa tttgggaaaa acacttgtgt gtgggccaaa ccctgtgggtt aaaagaggtt 60
 aattaataaa ttactgacg gggggagggg ggtaaggtta ttgtgggtta aaggactgtt 120
 gcgtaaaatg tctattcgct gcctacggct gccacaaaag cc 162

<210> 8623
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8623
 tgattagaga gacggggaac agagccgcct ttctacttgg ttgggcgtgt tttccctggt 60
 cttattgttt gttctggttt taagctcaa aaaagggggg ggccatgtta ttttcaatat 120
 gttttggttg tgggggcggg tggctctttt atgtgacca cagatgtcca gaaaactagg 180

gagggaattt tatt 194

<210> 8624
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 8624
 caccctaaca gagggaaatt ttttttaaaa aaataaataa aataaaaaca ataagcaaag 60
 aaaaatggat gtaatagggg tgggtaaact aaaaagctac aaaaaatggg tccctccacg 120
 gaaaaatta tggaactgta aaaaattgtg ggaagaaact atttggaatt tctcgagttt 180
 agtaaaacag ggaaagaata agggaaaaag tgggataaag aggatgataa atttgggtaa 240
 ggggtggggga attcaagcct tccaactaaa taaaacctat tttccatacc ccattatggg 300
 ggggaccag ggggaacggg gcccatgttc tggaaaggaa ttcggggagc gggggggaaa 360
 aaaaagcact ttttggccaa aatatagggg ttttgggtgtt ttcgggcctt tgaaggcggg 420
 gggggacaca cagaaggggg ctataatggc aacacccta ataaaggag ggggcttcaa 480
 agggaattta aaaaaata 498

<210> 8625
 <211> 514
 <212> DNA
 <213> Homo sapiens

<400> 8625
 aaattctttt gtgaattatc gtgaggaaaa aatatTTTTT attaaagaaa atctttaatt 60
 aaacgagggg gactaaaacc aaaaaaatt taccaaaaag ttaagcacct taatcaatgg 120
 gttcaactct atttttcggg cggggggaaa aaagggggga aaaagccggg gagggttgga 180
 gggggTTTTT taaatTTTaa aactaattat aaaaataact tgggaggggg aaaaaaagg 240
 cttaaccggg gtttttaaac taacagcaca gggtttcatt caccctTTTT acctaccca 300
 aaaaaaaaaa aaaaaaaaaa aaaaaaaag ttggccctg ggggggaccc acgctaataa 360
 cttagggatt ggggggcggc gggggggccg aaattggggg aaagctcca gcgggtggga 420
 ggaatagtgt gatTTTTTT tagggtaact taaatagtgt ggggtattta gggatatggt 480
 ggttttgggg ggaaattgtg taccgggctc aacc 514

<210> 8626
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8626
 ctgtgttggt gggggggcga aaaaaataa aaagaagggt cttgagtggg gtggaaagag 60

ggggaaaaaa aaaagggggg ggaaaaaggg ggaaaatagg ggggggggga aaggaggggg 120
cgcggtggctt ttttggtggt tgcgagaaag aaaaaaaccc cttttgaggg acgcgccc 178

<210> 8627
<211> 482
<212> DNA
<213> Homo sapiens

<400> 8627
aaaaaatggg ttaaaaaaaaa aaaaaaaaaa aaaactggtg ctaacatttt ttatatatttg 60
ggtttttttt ttaataacat taaaaatgga aagagttttt attttaagtg cctctggggg 120
taaaaacaac ctccatctcc ttggttaaaa aaacgctttg ggcccctgga gggaaaaaaa 180
tctgtgaggg gtgggaaaat catccaaccc ggaaaacatc cttcaacaaa cgcaccaagc 240
aaagagtatg agggggggac atcaaaatta ggggtgggat tttaatggaa atctctctca 300
taacctcttt tctttgggtc tacagtaggg gtaaaaaact ccaaagggga tttaaaaaaa 360
ccaaaaatta tttaaagggc ccctcgcccg ggaccacgcc attctttagg gatcgcgggc 420
ccgcggggcg gcgggaccatg gggaagaccc cccaacgcgt ggggtgcatt ggttggtttt 480
ct 482

<210> 8628
<211> 482
<212> DNA
<213> Homo sapiens

<400> 8628
tagtgcatag tttttattat attcgttttc cggagtggag cgcggtgttg ttccgtttgt 60
gttcgtctaa gacgtgaaga aaagctgatg gtttgtggtg tatatatgtt acacactgtg 120
tgagtagtg ggcattctgct aagtgaagcc cacaagcact gtatttatcc ctgacctgta 180
tactaccatc tgctgccctc cctagccgca ccaatctact acctataacc aagtattgog 240
gatatgatca caggtcatac cagacaatgc agtgaacaag tgaaagaaat gcatgtggtg 300
tgaagtgtga tatataaaaa gcccatgcag aataccattg atgccctgat ggaagagaaa 360
atggcagcaa aaatttcatt attctcacia gcctgaaacg cgtgaattac aagggtctaa 420
agaaatacta atgcctctaa cctttcctat agctgctttt tatctgaagg gttccttgaa 480
tg 482

<210> 8629
<211> 322
<212> DNA
<213> Homo sapiens

<400> 8629
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 acatacatatt atgacgctag agcaagaggg cgagaataac gtggataata aaattgacaa 120
 agacagcaga ggcctcaata cccacggact cctgtcttga cccgaagtag agactgttaa 180
 gtcttgatgc gtcgcctgcc ctcccttcat tgctgccttg gaatgtacct gcccgccgt 240
 tcccccaaaa cagcccgga ctggggctgg ttaatgcagg tgatgaacca gtggttggt 300
 ttgtgtattg ttttgtttta aa 322

<210> 8630
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 8630
 tgtgaactgg gaccttagt ggtgggcatt catgctgcat atttgtgtgt tgtgttgacc 60
 tggtggggac ggaacatcga gtccctgggtc gatgatggag ctgatggagg gctggatgac 120
 taatgggcgg cccaggccgg gggggaccaa actccaacac aagacaggag cgagacgtga 180
 ggggagggag ggacacacgg ggcggccatg gacgcagaca gcaccgtggg ctgtgcagtc 240
 tttgttgag gcgagcaca agccggtatg aggataggga taaaattaat gggatcact 300
 tccctttttt tgtttttggt atttttaacc acataaat 338

<210> 8631
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8631
 gtgaaaatat ggtgtttagg cgttttgtgg aggttggtgg ggtggtctat gttttttttt 60
 ggatcttatg ctggaaaatt ggtagagatt gtagatgttt ttgtatatga aaagggtttt 120
 ggttgatgga tattgtttta aagtgaggag aatggtaatg tgttttatgt gtttgatgtt 180
 aattgatttt attttttagt tatgtagggtg tttattatat gtatgtcata atagtttgga 240
 aaaaggcaga tattatttaa aaaagggtaa atataatgat gggtaagaa gattgaagat 300
 agaaaa 306

<210> 8632
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 8632
 tacatcttcc aagctgtttt tctttatgtt ttgaaggac cttttttaat tagctctttg 60
 atacaaagta actcagaacg tcaaacctg taccactaa agggaaggct gccgggaagg 120

caaatggaac aggaatggag cctgtctcag gaaggccagc cgcaggctcct ccagaaaatc 180
 aaagaaggga agaaactctg agtttgaggt acctcggccg cgaccacgct aatcactagt 240

 <210> 8633
 <211> 194
 <212> DNA
 <213> Homo sapiens

 <400> 8633
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 tttttttttt tttttttttt ttttttaaata agattttttt ttttgaattt tttgaaattt 120
 tgaatttaaa atgaattgtg gagggggggg ggagtttcaa tatgttggct gtgttttggg 180
 actgggttgg cggc 194

 <210> 8634
 <211> 493
 <212> DNA
 <213> Homo sapiens

 <400> 8634
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 tgagagagat ctagatttta aaaaagttga ccattcatta ttgctggaac tgaagaaagg 120
 aaggatacac tggcatcacg atttgtctac ataagtccag ttcattctcg gtttgttttg 180
 gcaagaagag gacactacaa aactcacagt gcagtcaaaa caaaacaaaa caagaaaaaa 240
 gcacaaaaat ggtcgggtggg gaaccatata acaaaactac atctcaggca gctctttctc 300
 aaggaagatt ctaagatttt attatgtggc taattctaaa ttggaaatgg aacatgctgg 360
 tatgtgaagc aattgggtgct aggactttac cctttgctga tatgcaatga taatgtgatg 420
 agtttttagtg actcttgaat taggataatc acactcttta cgtacctcgg ccgcgcacac 480
 gctaatacact agt 493

 <210> 8635
 <211> 546
 <212> DNA
 <213> Homo sapiens

 <400> 8635
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 tttttgggtt tttaaatttc aggaattgggt ttttttatat aattcattaa cctttttttt 120
 aaaatatttg aaaaaaaaaa ttttttttta aatttttttt tttgggtgggg aaataaaaaag 180
 ttggaggtta ggggaaatta agttgaaaaa gaaatgggaa catccacccc cacctttttg 240
 gaaaaaaaaa aatgaatggg ggggaaacca agggtagaag ggggaacaggg ggtagggggg 300

gcacggggggg gggctggctt tccacctcct tacatthttgg ttacaggggc ccaaaccat 360
 ttgggggggct ttggaaaaaa aaatggcaag gggthtttggg gtaaaaaggg ggggggggga 420
 aaaaattctg gatttcgggc cctcacaaaa aaggtggtht agggthtttca agctgggaaa 480
 aacacattaa aaccggggg actthttggg ggtggaggaa aacaaaaaaa gggaaaacaa 540
 cctgga 546

<210> 8636
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8636
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 tthtaataat ggagatagaa ttgcttgthg gattgaaagg gagtgtthtat ttatathttat 120
 taagaaatag tataacgata gattgttggt taggttaaga ttgaatatat atthataaat 180
 taatattgag tataththtt gthgtgthta tathatgaat taaataaatt gatatgattt 240
 atthtattat ttgaagtcath tatattaata agaththtatt aggtaaagggt 290

<210> 8637
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8637
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 gaagggtthtt gtggtccgaa taaggggggg aaacgataaa cagggtthtcc tcatgaagaa 120
 ggggtgthtg acccttggtc gtgtccgtht gthattgatt tgggggcatt tctgtthccag 180
 actaaggaaa cthggacaaa aaaagaaaac athagthtct ggttgcatgg tggatgtaaa 240
 thtgactgth ttaacctggg thattgtaca atg 274

<210> 8638
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 8638
 gtgccggcac cacatgaaat gggggaccct ccgthtgctg thcatcagth gtgcatcctt 60
 atacagthtct gthggtagga tagaacaatg agcagacatc tgcacgagga tgacacggct 120
 caagctacat gcatgtgtac ggtgatgtgc tatggggcac aaaggtaacc tatgcgtaca 180
 tggaactthg attacaacta gggcatatht atggctgatt taatgtgata acagthccca 240
 gtagtgcgct ccgaataaat gaaaagtgct ctactgtggg gtctggcaag aaaaagcaa 300

aaatcatgat attcacgctc acatgcaaag aaagtata 338

<210> 8639
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8639
 aaccttttgc ttatgctggt ttttatttgt ttgtttatct ctatcatttg ttttatataa 60
 aaaaagggtgg aaagttgaat atatacaaaa ctaacaagat aggaaacctg gcaaataata 120
 cataatggct ctaataatca cataatagca agctgtcctg ag 162

<210> 8640
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8640
 tgcacatgaa acacaagatg agaaagtgtg aagtggagac acagaatagt aagaagggga 60
 caactagaga caagtctggt gaacaagaga aacaacaaaa caattgctga ttcattgttc 120
 aacaatatag agggacatca ctggggcgag atgccggtgt gataatgtac actagcgggtg 180
 gagccttggc accg 194

<210> 8641
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 8641
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 aatgatggaa tagcaatgag atacaaaatg caactaaaaa tgggataatc tagatattag 120
 agaggacttc aaacatgcaa ataggaacca cagggtgacta tgatgggtata tcgatttatg 180
 tgtgtgagta ttcattggtat tacaggctga atgtaacaga cacaagcaaa taggttgcct 240
 aagactgtgt ccttggtctg tcggatgtgg gcggggagga tggatcatct ctctgggtgc 300
 tcactgttag actttgaagc gg 322

<210> 8642
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8642
 gtacaatatt ggtaattatt ttatatctgt gaagggtgtg agttaaaaaa aataattcat 60
 agaatgacaa aaagtactta actgttgtgt tagctggagt gaaaggatat atgatatata 120

ttaactggaa acagatgaat gtccacggag ctttctgttg gagaggacat tgcagccg 178

<210> 8643

<211> 466

<212> DNA

<213> Homo sapiens

<400> 8643

gtaccaatac gaccaattgt gtacacatcc tgtataggca tgtgcatggg cttgacaatg 60

ggacgagtgg gtggtaggat gcagtcaaaa gcctcaagca tagtggttcc aatggaattg 120

tgcatactta ggggtgtact ttccatccat atgaactatt gcttgtaagc acattggctt 180

ccaagatggt gagagcattt aaaacaaaga ttggcacaag agatactgtg tatgagatag 240

agagaatttt tttggtgata gggatggatt catttgcaat aagattatgt ctataatagc 300

agtttggcgg attcaggcga atccatgatg taaataccga ccgtggggtc gcaccgaagc 360

tagtgtgttg gatctaaagg tttgctatat gtggtgacca tcagtgttta atgccatcta 420

caatatggag catctctccc ttaaaccatc tggaacagcc acagcc 466

<210> 8644

<211> 258

<212> DNA

<213> Homo sapiens

<400> 8644

taaattaatt agggaaaggg ttttgagggg ggggggtgga agaaaggggt tgggttttgt 60

ttgtttctcc tccccaaaaa aagccactaa agcagttaca gaaatgaagg gtaaaatggg 120

ggccacaaag ccatggtatg tagcttttagc tcagggaaaa aaagagcgcc gggctcacct 180

cattaaccag tatatgcaga gatgggcagg ggtacctgcc gggggcgccg ggcggcgggt 240

cgcgctgggg ccggggct 258

<210> 8645

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8645

agtactgttt ttgttttttg tttgtttttt gaagcgagag atgacggtat gggggaaaaa 60

tggatgggaa aaggggaaca aaggagaggg aggatgagag gaaaagcacc atccacgcga 120

tgagagagggc tattagttag ggacagagtg gggacaaaag agagcaaagg gaacgtga 178

<210> 8646

<211> 386

<212> DNA

<213> Homo sapiens

<400> 8646
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 tttttttgac tttctttgtt ttttttgtga tgcttttttt tttttttttt tatagtaatc 120
 aaaatataaa aaaaaaaaaa aggaccgggg ggaaaaaatc tggggaaaaa ctaaaaaac 180
 gggggggaaa aacaaaaaaaa aaaaaaagaa aaataaaaagc gggcgagcca caaatggggg 240
 gggaaagggg aaaaaaaaaa aagaaaaaaa aaaaagtaac aaagggggcc ccggggaggg 300
 ggggcagaag ggaaaaaaca cccatcccgg gaggggagag gggggaaaaa aaaaaaaaaa 360
 aaacacccaaa aaacgccctt cgggca 386

<210> 8647
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 8647
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 tttttttttt tttttttttt tttttttttt ttttaaaaaa cggggcatta attaaaaaaa 120
 aagggggaca aaagaagggg gggggggaag tcacaccaa actgggggta aaagaggggg 180
 gggataaact ggaaaaaaca atcaaaaagg gggggcaaga acaagaaggg agtggggaaa 240
 ttataagtgg gaaaaaagcc aaagataaaa aaccaccaca aaagggggtc catatgggaa 300
 ggattcacac atgagggggg tggatcaagg aaagggtcct atccattgaa aaatatatca 360
 ttgcggccat catatgaagc gagagcacc tgcaatgaag aatgttaagg ggggggtgga 420
 gagggggaat aaaattgggg gaatggccac 450

<210> 8648
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 8648
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 aaaggaaaaat ggagtgcgac taggaataat gaataataga agattataaa taaatacgat 120
 attaataataa attaattagc ggtcataata taatgattca caacgaaaact ctggaacata 180
 tataatagcc tcatgacatt actatttaaa taaacatgat ctgcatcaa actattttaat 240
 gcttattttac tgcattacct tcggagacag ggtctagctc tgtcgaccag gctggagagc 300
 aggggtgcga tcttggctct gtggaaccga cgcctcccag gcccaagcga tcctcccgcc 360
 tcacacctcg gccgcgacca cgctaatacac tagt 394

<210> 8649

<211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8649
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 aaaggaaccc acacgtaaaa caaacacaaa cggcaaaaag aaacaactcc ctcaaaaacg 120
 cggccggaag acaaccaggg ggggggggag cgaggaaaaa ac 162

<210> 8650
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 8650
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 gttccagcaa acgtaaaaag ggaagaaaaa tgggtaaaag ggaacaatga agctcggagg 120
 gaagttttcc gggggggacaa ggggggctta aaggtaaaaa aggtgtctgt aagggatgtc 180
 ggtgggggaa acgtggcggg ggacagaaaa aatgaccac caagggaagc agggggctta 240
 actgctaagg ggataatccg gaacaatcca ggcaaaataa gggcgggtta tgcccttgta 300
 tggaatggcc ataggggttaa aatggcatgc aggtttgttg agaggaagga aaaaatggat 360
 ggccgtgcgg gtaaaaagct ggaagatggc ccaaactcgtt gagagtgtgg tgatgttgcc 420
 atgggggatg tgggtgcggtg agagcacatg tgtgtggaaa gcctctaata ctacgcaact 480
 tt 482

<210> 8651
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 8651
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 aaaaataacg gggggcaagc aaagcgggaa aaagggggaa aagcacctcc cggaggggaa 120
 cccccggggg caaggcccag ccaagagagc gggacagaga caagaaaccg ggaaaaggaa 180
 atataaaaaa agggaaaggg cgagcccaca gaaacccaaa ggcggcacag gggggccggg 240
 gcgggagaaac ggggaccag gaagccagga aaaagaggga acaaaaaaaa gggagacgga 300
 ggagggaaaa ccagggaacc accggcggca gcaggcgggg gcgaaggggg ggaggcaagg 360
 ggagggacag aggaactaaa aaaagg 386

<210> 8652
 <211> 159
 <212> DNA

<213> Homo sapiens

<400> 8652

gtacaaattt agtaatttat ttgtaaattc tgccagaata ctttctagct gctttgtaat 60
 tttttaagag tgttattttg tttttgtttt tctgttcttt gttgtggctc ttgttttcat 120
 ttttgttgta cctcggccgc gaccacgcta atcactagt 159

<210> 8653

<211> 274

<212> DNA

<213> Homo sapiens

<400> 8653

ctgatccatc acacatactg cgtgggttctg atataggggtg agtttgtcgt tgctgctcat 60
 tgatatgcaa taaggaactt aaggaggcct tctgacagaa gtcactggtc ctgttttgtc 120
 tgaatgagct gcaaagggtt acttgggtgg tggcgagaac tacatgacac agatgagagt 180
 gtgattatgg gaaatgcctt gaacagttct gagatgctat atatttggaaggcggtgtg 240
 gtttgagtgt gggaatatca aaggacacca ccag 274

<210> 8654

<211> 480

<212> DNA

<213> Homo sapiens

<400> 8654

gtacggctcg gagggccgct tcacgttcac ctcccacacg cccggtgacc atcaaactcg 60
 tctgcactcc aattctacca ggatggctct cttcgctggg ggcaaactgc ggggtgcatct 120
 cgacatccag gttggggagc atgccaacaa ctaccctgag attgctgcaa aagataagct 180
 gacggagcta cagctccgcg cccgccagtt gcttgatcag gtggaacaga ttcagaagga 240
 gcaggattac caaaggtatc gtgaagagcg cttccgactg acgagcgaga gcaccaacca 300
 gagggtccta tgggtgtcca ttgctcagac tgtcatcctc atcctcactg gcactctggca 360
 gatgcgtcac ctcaagagct tctttgagga caagaagctg gtgtagtgcc ctctttgtat 420
 gaccctttcc ttttacctca tttatttggg acctcggccg cgaccacgct aatcactagt 480

<210> 8655

<211> 316

<212> DNA

<213> Homo sapiens

<400> 8655

gcaccacgag tttgagaagg agatgggagt gtgatggatg ccaaacgaat attctagtgc 60
 tccatcagct tgcgaggatg tacagaaccg gggaactgag atactcatat ccatgttggg 120
 ctgtaaaaag gctgtcaaaa ccataagatg cacgatggac aatatgctgt gggcctgggg 180

acacatactg aaagacgggg ggaggagggg aaggggaggg ggcgaaatcgt tggtagcggg 240
 gggaaagtgg aagacagtga gaagacctag gccgcgacga cgctaattgac tagggaatta 300
 gcgggcgact gggagc 316

<210> 8656
 <211> 514
 <212> DNA
 <213> Homo sapiens

<400> 8656
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 gcatgtgact ttaaaaaaaaa ccaacattat ccacaaggga taggcacatg aagggggaga 120
 tgggtggttga aaagatgttg acctagaaaa taaggcctag cacacagtca ctgaaagact 180
 attggatagt acagagggga catgaaagac ggaagtgtgt ggagaacatt gacagaccaa 240
 aagttgaagg gggaaagaaa aacacaagac ggccatgtca ccgaatgttg tggagtgggg 300
 ggggggaggg gctcgggcaa cagacaggcc atataacaga cgatctacag agagggcaca 360
 gggacagggg gcacggtgaa gcaggagcca gggaggtgga aagcgacatg gccgggaatg 420
 gggagagcca aatattgtga tctacagata gtgcacctct gatggcgaga gaccatgcac 480
 ctgaagctct gtatgtataa tggacggccc aaac 514

<210> 8657
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8657
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 aaaaaaaaaa aaataacatt tacaacatgg gaaggaagta aactgtaatt tctttgaaca 120
 acaatggtgg tgggtggggg gaaaaccaca accccaaacc acttcgccgg ctccaaatga 180
 tgggataaaa aggt 194

<210> 8658
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8658
 ggtactcgtg cgcccggtt cgcttttctc cgcacgccgt ctgacaaacc ggtatggctg 60
 atatcgacat attcgataag gtgaaactga agaaaaacag agacgcaaga aaaaaatata 120
 ctggcttcca aaaaaacgaa tgaacaggag aaacaagcaa gc 162

<210> 8659
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8659
 gagtgcaaac tttttgcttc tattcatcta caatgtatct ttccatgtaa atcccatatc 60
 ttgatgctgg ggtcctgtga gcagcacaca gccagtatcg gatagggctg aaaccaaggc 120
 gttgatgatg tgcacaccat gtatcgtgtg aagggtgagag actttggtga aatccgatat 180
 catggtatga tcatccgtgc ctccacacac acagatggat ccatctggat atacaaccac 240
 cg 242

<210> 8660
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 8660
 tcatataaaa cagcaaaata aaatagtcgt gggcacaggc cagtgattct gcagttagag 60
 ccgtgtggac tccgtccccc atctccggtg agggcgtctc ctgcacacgg caccatgct 120
 tcaggtcgca cacacgtgcc gtggacccaa gttcaccttt ggaggtgtca atccccccaa 180
 gaagatgttg ctaacttga gtttggggcc taggctttca tcagagtctt cccacagaa 240
 agcgaaatgg gaatgggtcc ttaataagct acgggccttt gttcacagca 290

<210> 8661
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8661
 ttagaaaggc ttgttttagg tttaaaagac tggttgttcc tgattgttta ttggtcccat 60
 ggtgttttct gtgttaacct gggaaaggca gccttaatta cctaaaaaaa gaaaaaaaaa 120
 aaaaagaaaa attatgtgtg agattttttt ttaaagtggg ga 162

<210> 8662
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8662
 gactctgggg tgatgaatgg ggagaggaga gaaagtgaat cactatatca ttctatacat 60
 aagaatcagt ccaggtggat taacaatatt aatatgatag agaaaatata tatactttag 120
 aagatatagg aaaagtatgt gtagtcctct aggggtgggga ag 162

<210> 8663

<211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8663
 ggtttttaaat ttggaaatct aaaatTTTTT tccaacaatc ttttgggagg gtggacctgg 60
 gttttttctt ttaggttttg gtccctctgt ttttttattt tttttctttt tggaatttta 120
 tttttatttg tttttggttc attttttatg gttatatagg ggggggggtg agagaaataa 180
 cggagaacgt gggtagcaa gccggtgtta aaagatggga aaagagtgtg gggcaccaaa 240
 aaccttgttc cctcaagt 258

<210> 8664
 <211> 482
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(482)
 <223> n = A, C, T or G

<400> 8664
 taaaattata ctggtggcgg tttctgtcta tgtgggggat gttctccntt attaccagtt 60
 acatcctctt cagagctacc cgaaaacccc tctcaggaag gacaccacga gtggtctaca 120
 aatggtttct tttgatctac aaactcagct atgcatttgg tggtgtgggt tacttggcga 180
 tcatgtttac aatgtgtgga ttcaatctgt ttttcaaat caaagctaga gattccatgg 240
 attttggcat tgtgtctttg ttctacggcc tctactatgg agtaatgggg agagacttta 300
 ccgagatctg ctacagactac atggccttca ctataggggt ctacagtgtc aggcggttgg 360
 ctacaaggag cttatcggac aatatctggg ccagttgggg gcagaagatc attggggagc 420
 gtgatgaaga aaggggtcatg aaaacatcta tcagcgtttc tggatatctg tcttcattga 480
 tt 482

<210> 8665
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8665
 tgaagaaaggat agtgggggtgt gggaaggac aaaggaaagg aatatatggg gaggttaaaa 60
 tgaagaaaaa gagtaaggca aagaaagtat tgagatttat attttgatgg ggatgggttg 120
 gagggttgag gtgggaatta atttggaaag aaaaatagat gt 162

<210> 8666

<211> 578
 <212> DNA
 <213> Homo sapiens

<400> 8666
 ataataaaaa caatgaaaaat aacagtatgt aaataatggt atgtaaaaat ctaacaatca 60
 cgtgaaattg aagaatttgg catgtaaaat gaataatact gtcttcccc aagaagttaa 120
 gcaccaaact ggctctggtg ctgagataag gaattccagg ccaggcttac atcgcaactc 180
 agtcctcaaa agccctctcg tgcagaatga gaaggcacia gcataatatac ccattttggt 240
 ttcaccttcc atctctctca atcaaatctt acttctcatt ttaggaagta tatagtccaa 300
 aatgggcttt taattactct ttgatccttc caccacccc tgcctttttc tttcctagca 360
 aggaaatgac aatgagtgtg gcctatagac aagggttaatt acagatacac cagtgggctg 420
 tgtcgcccag gataaggggg gagagctcaa agctgggtcag tgtgtgtgct cctctctcca 480
 cttagctgtc attccaccct gtgcttttct acttccctct tacaaggggc aacaggggag 540
 ggggagcccc acggcacgtc caaggcatag gttaatga 578

<210> 8667
 <211> 162
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(162)
 <223> n = A, C, T or G

<400> 8667
 gccagctct gggaactgaa ttangaaact caaatcgaat aggaagcaa aaaaaacaaa 60
 aaaaaaaaaa caaaaaaaaa caaaaaaaaa aaaccctatt ttaaatggaa agggagctta 120
 aaaaaaattt ttttaaggga gggaagaaag ggagaaaatt tt 162

<210> 8668
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8668
 actttgtgat atctcatagg gcatactggt ctttcacat ttcgccccca ctttttgccc 60
 atatttccca agctcccccc ctacagcacc ttccatgtgc tcgtgccttc atccagcacc 120
 tgctccccaa tgtattccgt ggtagcaggt gatgtaacac ac 162

<210> 8669
 <211> 210
 <212> DNA

<213> Homo sapiens

<400> 8669

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gtatagagag ggagaggttt ttttgtttta tagtagagag ggggtttcaa aggtgttaag      60
gaggatgggt tagatataat gaaatagtga tttggaatag taggaataca taagtgatgg      120
gaattaaggg gatgaggtgg agaagtatga gaaggattat tttttttaat agaaaaaaga      180
aaaggaagag aaaagaggtg aggtgtgagg      210
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<210> 8670

<211> 562

<212> DNA

<213> Homo sapiens

<400> 8670

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gagcggccgc cttttttttt tttttttttt tttttttttt ttttttggcg tttcacctta      60
tttatttatg tttttattga gacggagttt cccctcttgt cgcccaggct ggagtgcagt      120
ggcacaatct cggctcactg ccacctccgc ctgacaggtt caagcgattc tcctccctca      180
gcctcccaag gagctgggat tacagctgca agatacaaac cctgtcctca cttacgtaca      240
attcatctct gacatgaagc agtctcccg ggctccgcgt ctgttcgctc tgggattaaa      300
ttcgcgtagg cactggggag gcgggagctg ctttcgcaga tatttagcat atgaggatcg      360
aaggccagtg ggaaccgtga ggagacgcac aaccgtggtt tgggccagg ggctggggg      420
gattgcgagg gggggtcagc tgccaagaag gccaaaaata gccggacggg tgggggggga      480
ggcgggcaag gagaagaagc tgggcaatgg cggctggtag ttctgggtgc ttcctccggt      540
cccttcaacc ccacctccac cg      562
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<210> 8671

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8671

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cggccgccct tttttttttt tttttttttt tttttttttt tttttttttt      60
ttttttttt tttttttttt tttttttttt ttttttaaaa aaaaaaggct ttaattttt      120
ataatggatt caagccaaca aagggtgttca aaaaaaatc aaaaaggaaa aaagggtcaa      180
atttaaaaat aggggggaaa ttttcagttt gaaagggtaa aaggat      226
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<210> 8672

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8672

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cctttttttg tttttttttt taaggatatg tttttattgc taccagaggg ttttatcttc      60
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agatacatg cgttgactgg caatacctgt gttcagactg cagagggagc tcaggatgca 120
gaagtcattgt taagaaacat aaggctgggg aggggggggg agtaagttct attagaaaat 180
gccaatagct taacaaacct gaggggtatta cattcagtta taccat 226

<210> 8673
<211> 338
<212> DNA
<213> Homo sapiens

<400> 8673
agctttttttt tttttttttt tttttttttg gatatttttt taaagtttta ttaagaaaaa 60
aaaaaaaatt aaatggggta ttcatgggtt tggaaaaaga gaaaaaaaag ggaaggggaa 120
caatcccata agggaacatt attctttggg ttaaataata ttaattatgg aaatgaaaac 180
taataacata acaagggaaa ttaaaaaaaa taaattaaga aaaaggaaaa gagaagggga 240
aaaggattct gaatatggga gaaatgtgtg ttatggaaaa agattcgggg ttcagggtta 300
tttcttgag aatttctggc tttgaagcgg ttaagtca 338

<210> 8674
<211> 258
<212> DNA
<213> Homo sapiens

<400> 8674
gaaggaacag atggactcat aactccacg atgtaagctg gactagtcca acttccaacg 60
tccgtataac gccatatgta tcttattgct gtatatagtg gcaaatagaa tagacaacaa 120
gtgagaggta cgactaatag gggagaaaag gaacacatat gtgatagggt atgagctctg 180
acatctgatg aaatagggtga cgaacttcta ccatgaacaa aatgtgttgc ccacttcag 240
ataggttcat catcttag 258

<210> 8675
<211> 242
<212> DNA
<213> Homo sapiens

<400> 8675
tgattgtgga gttattcaat atataaaaag ggatattcga gatgacttga atgagctgtc 60
ttattattcg tgtactgaga tgaatgttca acgcataagt agtatatgag ttcatacaag 120
tgatggctga agtgctgtca gcagctaata tgggagcga aaaggagtca gatgggtgtt 180
cgaggtcgaa gagcatccga gttaatggtg gtcctgcgcg ccagattcga attggaaata 240
tc 242

<210> 8676
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 8676
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 ttaattttgat tcaaaaagga aaatggaggg gctataaacc tgattttttt aattaattta 120
 ttttaaaaag tcaccagga taataagtgc ggacagttac ggaaatattt ttaccatata 180
 aaataaaaag ataattcaaa aaatttctta tgggaattga cgtccagaat ttaggtccat 240
 gttcactagc taaccactt agtaggggtg ggcgagcaca aactctacct tcccatttct 300
 aggcctgttc ctccctcctt aaggggggaa taaatattaa caggggtggtg gtgaggttta 360
 attgagataa agatttatct actaaaataa ctcaagtata ctttatgggt atagtcaa 418

<210> 8677
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8677
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 attaaataga caaaaggtaa gttgcaaggt tgaaggatca cttgataagt gagactgggtg 120
 atgaacattg atgcgcttaa aagtgaagat gcttacagaa taaatgaaga gcagctgtcc 180
 ttcttttctc cttctagatg ttcattgctg ggcattgctc gaggttctct catggatagg 240
 agatgggagc ggagtgat 258

<210> 8678
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8678
 gggtcggggg ggaggaggta atcccttcat atttcaatgt tttctttttg cttatttttt 60
 gtattctggg gtatggcgta agtacagata atgcttcatc tcgaatgggc gttttttatat 120
 aatttttttt tttctcttat catcatgatt catttaacaa aatgtttcaa gcttactcag 180
 gtatgctata gtgtactaca gatgaatgtt ggggttaaata tagagg 226

<210> 8679
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8679
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aattcaattt ttttttcctt ttttttgcaa cagaaaaaaa gaattgaaat tggacctccc 120
 ccttagggaa actttttcctt ttggttaact tattttaatt attgaaaata acacttatat 180
 aaataacagg gaca 194

<210> 8680
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8680
 cttcgttttg ctttctcttc ctttcttcgt acaacaccat gtatatgcag gtgaaagaga 60
 tgaccaagac tagtaggctg aattagaaat ttatgctgac tctatctaata aataattatg 120
 ttggtttatg tttatctcta ttaaatagtg cttttgggga at 162

<210> 8681
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8681
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 cacagaccta tatcatcaaa cgctcataac tactgtgcta ttgagtggta actttgctga 120
 tagggctgct caattcatgt atgatggaga taatgctcac gg 162

<210> 8682
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8682
 aaatatgaat gttaatatat aaagataaag tattgggaaa aagaattata attaaatgtc 60
 acatataaaa tggattgatg ggaagaaatg agaaacaggg taaagtataa aatggaagtg 120
 gatcaagaat aaaaaaaga gaattatgaa caaaaaagga aagaaatata tagtcgggat 180
 tacaagaaag aaatgaagtc aaataaaaaa 210

<210> 8683
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8683
 gattatggaa attgaagtta tttaggggtt tttaaattaa gggaagtgga ggtatttttt 60
 ttagggaaaa agaataattaa ttaaaaaaat agttgggttt tgtgtattta aaaagaatta 120
 aaaaggaatg gttataatta atattttatg gttagaaaag gtttagtggtt gggtttttat 180
 aaataaagtg tgga 194

<210> 8684
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8684
 ataagaggat aaaaaacttc gaaagtaaag acacagaaat gacgaagctg aaggctgaga 60
 gtctcccttc tcacttactc catgctttat ttagcattcc ctaaacgggtg aggaggcagc 120
 ggctgttatg gtgtgggaca aaaccagcca ccgggagatg at 162

<210> 8685
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8685
 gtctctgtta gaggatgtga ctgtgtggat ggactatata tagagaagat ggggtgtctag 60
 agcttagtgc taagagccta tgcgcgcaag agatatctca aattcatagt tagatgaaat 120
 gcgaggaatg tgctgctatg attgacaaga ggagtagaaa tgatgtactc atcctcttct 180
 acacgacata atgcaaaata ggatgacata gattgtggga atggat 226

<210> 8686
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 8686
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 gtccgaggag ggtaatagtt gatcagagga cattgaaaat gaatcttgct gcttcatgggt 120
 atattaatat ctgaatagtc agacaactgt aatattatgg aataaacaca tcgtcaaata 180
 tatcattaat atcataagga taggtacaca tggaaacgtta tgtacctcgg acgatactga 240
 ctgttatcac tattgtatcc ggagacgtgt gcgcgtcgac catatctgag agcgcggtacg 300
 gtgtaggatg catatgtaga ctatgctata ttgtcgtcta catagttgga catattcatg 360
 gtcatagctg tcttctgtgt gatattgtta tctgttcact atatcactcg acatacgagt 420
 cgtaatcata gaggctgtg tgtgagggtg ctactgagtg agctaactca catatatggc 480
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 gtcgtc 546

<210> 8687
 <211> 562
 <212> DNA
 <213> Homo sapiens

<400> 8687

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tggccagatt acgaagcgca atgttgagat tgagaatttg tctatagaga gtacatatc 60
gttcagcacc atgatcactc tcatcaacga tgtttattga gaggatgggt gtccacctta 120
tacaggctca tggacctata ataacgcttt ccaattctac acatacgtgt agacgaggta 180
gtctatatac tcagaacatc tagcctgctc tgtatctaca gtgcatgagt aagtatatgt 240
atatgtatga catagaattc catatcgaag aggtcgtgca agtacactgg tgctgatgct 300
gtgggtgctcg aggaatatcg gctgctaata cacgtatatc tattgaattg tatcagatga 360
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atctctctat gactaggctt gtactcctgg tgcataggat actgctgtgt gtggtagctg 480
tccgtgcgga cgctcgacat cactagagaa tgcacggata gagtgttaagt cgagcagatg 540
gtagagatct gagcgcagtg ag 562

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<210> 8688

<211> 402

<212> DNA

<213> Homo sapiens

<400> 8688

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tggggagcta tggagtctgg tatggtcttt gagattccct gcttgagctg ggaaggggggt 60
gggttctcgc taggtttaat tgtactgcaa cgtatcagag caggcgccac tagtcttaga 120
gagccagagc gtcactctgtt gtagccactc ggctcagacg tggttgtgtg gaagcgactg 180
tggatgacac acaaagtgtg cagtgttgtg ttcctatgta actttattta tggatcttga 240
attttgaata tatactgtac ctgaccgggc ggccgttcga catgactact gaattcgctg 300
gggagtgtag gtcgactata tgtgagagtt agaaacgcgt tggatgaata atcgagtgtg 360
tgatagtgat ggctatatac cgtggagtac tcatggtagt ag 402

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<210> 8689

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8689

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aagctttttt tttttttttt tttttttttt tttttaagtt tttaaacttt ttatttgcatt 60
attaaaaaaaa tagggcattg caataattaa aatcgtttga acaaaaaaaaa aaatgggact 120
ctgattaaac tgcattacag cctggaggac accttgggcc agctgggcgt taaccaagat 180
ttcacgggcc gcc 194

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<210> 8690

<211> 194

<212> DNA
 <213> Homo sapiens

<400> 8690
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 aagatctctt agagagagct gtgtaattat tcatctatat atttttacta actaacgtga 120
 aagaaaggat gctggatgag cttgttctga gagtatctac ttgaggctgg gatgatactc 180
 caagggttga tgag 194

<210> 8691
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8691
 gcggggccgag gatatcatga ctagatttat atgtaatatt tattattagg gaaagttaag 60
 aaggaacaga agactagaaa agaagtaaaa actttgatga agagaggggt gtaagaacag 120
 gatcaagaca cattaatgcc taataccaac aacgagcagt gg 162

<210> 8692
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8692
 aaagaagata caagctgacc tgaataaaat ttgtgcagga ggcaagaaa ataagggtat 60
 aattatattgg agaccatggg aacacgcaaa cattatgcag aaatctatgt tgtggataaa 120
 agtataaatg attatgatgt taaaaaaatg gggattgaac ataaaggaca agtgtgtgtg 180
 atgaaccaca gaggaagtaa aagcttaagc catgaaatta ctaaaa 226

<210> 8693
 <211> 194
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(194)
 <223> n = A, C, T or G

<400> 8693
 ccgcggggcca ggctactaag gtgcaagtat atgtaaattg ttttgatacc tttanagtga 60
 agggagcctt ttgagaaaag ttgggtggagt gcatcgatc ataaagcggg taggtagtac 120
 atgtaggcag taaatattat ttaaaaaatg ggatagtata ctgtgaagtt ggttggtcta 180
 gaaataccag tttc 194

<210> 8694
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8694
 cacctgccga ttgcctatgc ccatgtgcct gcccttccgg gggaacaagg ggtcgggtggg 60
 ggatgacggc gatggaacgg acgcacagaa cgctagccga tgatcataac atcgttgatg 120
 agaaaaatga tatgcatgac aggagtagag gttggcgatt gtattaggat cattgagatc 180
 aaaccacatc acccatgtgc cacactgccca cgactcataa aggggtgttg tatgtggatg 240
 gt 242

<210> 8695
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 8695
 ccatgtctatt tgattttcct catttcaact gttttgtatg aaaatcctaa tacctatgta 60
 tatggtccta actataggcc gcacatttct ttataattc ctgttggaga gagaggggag 120
 ggaaatttat gtgaatacct ggtgaccttc cttgactttc caggtttcct gatgtcattc 180
 attgattatg ttctccttca ttatttttat actaacttaa aaattgagta tttggagaag 240
 gttttatagt atttattgat gaatatattt agcatatcaa aatttttggg tttaaaaact 300
 gagtaatatt aaagactata agcaaacaaa atttatagaa ccggtcatta agtaattgct 360
 taaaacatgg agccattac tctaaccttt ataaaaatta ac 402

<210> 8696
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8696
 gagtacaagc tttttttttt tttttttttt ttttgtattt ttttttaaag tattattatg 60
 aaaacacaca aaatcaaaga gttatccatg gatttgcaac agcagagaaa cagtgacaag 120
 agagaccatc acccataagg gggaacactt atccctttgg cgtttaactta atataaaata 180
 attgggaaat gatcacccta aatatcaata gacacgggca cataaaaaaa aagattaaaa 240
 ttaaagaaaa agggaccagg aaactggcgg gaga 274

<210> 8697
 <211> 770
 <212> DNA
 <213> Homo sapiens

<400> 8697

```

ggtttttttt tttttttttt ttttttggtt ttgaaccttt aataaaagta aaaaatgaat      60
gcaaaaagaa cacaatgttg aaaacttagt atgaatgtga acctcactag atgttcaaatt      120
ctggtagagt gcaaattttt ttcatactat tttacatttt taaaaactca aatcactttg      180
gttcatatat tttctataaa ctattggcaa aaaaatcctc aaattttacat tcttttggtt      240
acattatttc taacagatat agatttactt ccggttttcgg agagaaagac ttattgtgtg      300
tgcgtgatca agtctgtttt aaagattcac tcgctgcttt catctaataa cttctggggt      360
ttcataaaat gctgacatct tcattggaaa tttttttcat gtaactgggtt tcattttcag      420
aaaatatata aggggggtcat tccaaagtcc agaattgatcc tattttttta aaaaacaaaa      480
ttcctgtaaa acaaattaac tccaggaact taaaatttac tccaagacat ttccctcaaa      540
acaaagcaaa aaaccccagc aaagatcggg acatcacaaa aacaaacaca aagaccagcg      600
ctcacaggca agttcctctt agcttccatt ctgctgactg ggggcttcca tttaaaaaga      660
ggcttttaat caagccactt tcacagaatt taaaacaaaa caaacacatg ttaattgcaa      720
aaaacaaaaa aggaaaatta ttagaaaaaa agaacaaaac ccaaaaaacg      770

```

<210> 8698

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8698

```

tagcctcagc ggggaccctc agcacatgaa tacttcctca ttcttgccc cctcccttgg      60
cccttctgcc tctcttcact gccatacaat tgtgtgaagg atgtagggaa gtggaaggaa      120
ttaaataaag aaggaaccag cgggtgaaggc cccccgccc cccacagact aggtcggc      178

```

<210> 8699

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8699

```

aacactatgc attacatata cacaacaca caccacagtc ataaagccct aatgatgtgc      60
tgattacagg tcaatattca ggtgagcatt ctttattaat ttatcaaag aaaagctttt      120
tgctacctct gccattcatg aaagacagct atggaaaaaa ggaacctggg accaatat      178

```

<210> 8700

<211> 370

<212> DNA

<213> Homo sapiens

<400> 8700

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tggttggtgact gcagtacagc ggataaaaca gggaaacgta aaaagtaatc agatgactgt      60

```

tatcgagatg gagagcatac cagtaaaggt agcactgact gcaatatttg taatataaat 120
 ctaaagttta tatgttaatg aatatcaata tatatatggg gtatatataa ttacactaat 180
 cagtgcacaga agcacttata atagcgactt ctgagtaatg aagaagagaa atgatgaata 240
 tatgtattat ctatagggcc tatatacggg gactgcctca ctatgatcct atggggttggtg 300
 agtaattatg caaggctgtg tgaatgcaca gctgtatctg aaggggcaac tacgcagtgc 360
 tgcctaagca 370

<210> 8701
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 8701
 gcccgaggga tgagcatgag cataaaggaa gtgtggtagg acagatcaaa gggaagtaca 60
 tggaatgtac gaggtttttc aattaggaat caaaaaagaa acgaggagac ttcgaaaagc 120
 tgactaatta ttagggaact gacttggtg ctgtaagcaa agctatacat gatctgatac 180
 aagagatggg cggactggcg ttagcatgt 209

<210> 8702
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 8702
 tgattacaaa gctgtatgtc atgggcccaac tatgcaataa acctaaacta gagctatggg 60
 ctgtgagtgg atttcacttg atgataccat gaagactgat ttatgatgtg atactatcca 120
 ttcttctgtc ggtatgaagt tatgcatgac aaaatgatgg agtgcttaaa tgggatgtca 180
 tatggacaaa gaccgtgtga agtgaccctg atgatagcat atcatttcag gataactaat 240
 gactggcagg ttgcaaggat tgttgacgac tgggactgga catgcgcgga taggtgattg 300
 ctcacggaca tgctcgagaa aa 322

<210> 8703
 <211> 578
 <212> DNA
 <213> Homo sapiens

<400> 8703
 atcttggtga gaatctcagc aaaccaccaa gtgatcctga ggctaaccct gaagtttcag 60
 agagaaagct gccaaactgag gaagagcctg cacctgtggg ggaacaatca gggaaaagga 120
 agtcaaaaac caaaactatt gtggagccac cgaggaaaag gcagacaaag accaaaaata 180
 tagtggagcc accaaggaaa aggcagacaa agaccaaaaa tatagtggag cactgagga 240

agaggaaggc gaaaaccaa aatgtatctg tgacacctgg acataagaag cgtgggcctt 300
 caaagaagaa acccggtgca gcaaaagttg aaaaacgcaa gactaggact cctaaatgca 360
 aagtccctgg atgtttcttg caagaccttg aaaagtcaaa gaaatactct ggaaaaaatt 420
 taaagcgaaa taaggatgaa ttgggtcaga gaatctacga cctgtttaac agatccgtct 480
 gtgataaaaa gctgccagag aaactacgca taggctggaa taacaagatg gtgaaaactg 540
 gtggcttatg cagcactggg gaggagaggg gggcccg 578

<210> 8704
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8704
 aactggtgct gaagataatg acatcagcaa ccgagactaa ggcaatacgt cattgacacc 60
 aatacaatga gcctgtgtgt gatgggtctg ttcgtgctag tgctcgattt tggattttga 120
 tctctatcag tatcattggg cttggactct gacactgcca gcggctgctg ttacactgat 180
 agggagagga atcggactgg ggaggtagag gacaatgaca acgagaacat cagctcctgc 240
 tcacaggcgg ctgtggtaag caaagaaggc cacgctgtac gcactgtacc ctgcgagcag 300
 ggagtcctgc aggggcggcc tgggcggtct actcatgaat ctgaggtcga ttgt 354

<210> 8705
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 8705
 tggattggt aataaaattt tgatctctaa gaagattaaa agaagtaggg aagcgtgatg 60
 ttagaagcga tggcgatttt ctggtaagcg gtctatggtc tgttttatta taaactagga 120
 aaagaacata acagctcaca ggaccaact tattgatgaa atgaactgga gtgctgacag 180
 atactaggga tagaaataga tgaagaaggg acggaaacaa ttacta 226

<210> 8706
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 8706
 agcatacacg gcagatatgc accatgcaat gcccagtgta agcactgcct gaggacaaag 60
 agggcttgaa tgtcaggagt gtgtgatgga aggatggacg gcgcggctgc gaagatgctg 120
 acagatggac agaccaccca gaggaatgag gaggctgcaa tggtaagag agtatccgga 180
 acgatccagg gcgaagaaac gccggctatg catctgcatt ggagtggcac aggggtcaca 240

```

ttgcatgcga gagacggtga gcggtggggag aaataagatc gccgtactgg aaagatgctg      300
gaagaggggcc ggaaaccatg gaagtctggt gaggctgcaa tggtagatgt ggatcatggc      360
tagtccatgt gagctgagta gttaatcaga ctaggcacat cggggtcgca actgctgtgc      420
gtgatatgac acagacagtt gctgtgggcg tactgaatga tgaggacaaa gaagcggatg      480
gccctgataa agaaagga                                          498

```

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<210> 8707
<211> 226
<212> DNA
<213> Homo sapiens

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<400> 8707
tgtacacggg ggtgtcttgc gcatgtccat cgggaggtag ggggactggg tggtagcgcg      60
agttatacac gatgaaggcg aactggacac gttaatgtgc ttggacccca tgccgatcgc      120
gacatacggg ctagctggag gagggaaacg gcgatgatgg ggcaggatga aggggcaaaa      180
ataggggCGT ggtgagcaga aaataactgc tggccttatt ttatgt                      226

```

```

<210> 8708
<211> 498
<212> DNA
<213> Homo sapiens

```

```

<400> 8708
tttttttttt tttttttttt tttttttttt gggtttgaac ctttaataaa agtaaaaaat      60
gaatggaaaa agaacacaat ggtgaaaact tagtatgaat gtgaacctca ctagatgttc      120
aaatctggta gagtgcaaat tttggtcata ctattttaca tttttacaaa ctcaaatcac      180
tttgggtcat atattttcta taaactattg gcaaaaaaat cctcaaattt acattctttt      240
ggctacatta tttctaacag atatagattt acttccgggt tcggagagaa agacttattg      300
tgtgtgcgtg atcaagtctg gtttaaagat tcactcgctg ctttcatcta ataacttctg      360
gtttttcata aaatgctgac atgttcaatg gaaatTTTTG tcaaggaact ggtttcattt      420
tcagaaaata tataaagggg gcaatccaaa gttcagaaag atgctattgt tttaaaaaac      480
aaaaatcctg taaaaaca                                          498

```

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<210> 8709
<211> 162
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(162)
<223> n = A, C, T or G

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<400> 8709
 cgagagatga cgttccaaga catctgagca ncccgcgggg ctatacaacc atgtaaccaa 60
 agcctcacccc cttcccgag ttggaaaaaa atttatggaa caagaaaagt tatcatttga 120
 aatttaaaag ggtgggcaga acattggtcc caaggaaata tt 162

<210> 8710
 <211> 194
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(194)
 <223> n = A, C, T or G

<400> 8710
 tgaagactag ataggagtgg naagactgga cgtatgctct gaaggagcat aggagacata 60
 agtaaaagcg ggcagtaaac tgtcgtctga tgattatgag accatgggaa aaagcatgag 120
 acaggtaaaa catagtaatg ggcatgttac aagccactga cgtatgcctg cactattgta 180
 cagcaccttt cacc 194

<210> 8711
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8711
 tctttttggt ttatttatgt tgtattgtaa gatgtcaaag agtaatacgc aaggcacaaa 60
 agatcatatt gttagcttgt atggttgaca gagacagtga atattatcaa ggaaacatca 120
 catctgaagg acttagcatt gcaacacaca atttataaga ac 162

<210> 8712
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8712
 gctgggtgtg tattttatttg tggtagatgt agaggaaaga acggtaggga gccatatatg 60
 acgaagaggg taagaaggca catgtagtaa gaagaataac aagtgcacgc ccacagtggg 120
 tcagtggcgc aagataacgc gagatcatta actgacatgg taacaatctg gtacatatca 180
 ctgtgtatac atggagagaa actgacgtga 210

<210> 8713
 <211> 178

<212> DNA
 <213> Homo sapiens

<400> 8713
 cggttgtgct gttatcttcta tttttgtgta ttttaagaat gcaaatactt gttaaagcga 60
 gcaatatatg atcaaagaag gcgaacgaat ggtaggggca ggaggtagaa tcaacaagga 120
 ccactgccac ttgggggatca gtggcgcaag gtaacggagc tagattaacc tgatatgg 178

<210> 8714
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8714
 ggtgggcgtt tatttcttcta atgttaggtt taagaggaaa gtagctggga tagaaggcat 60
 gcataatata gaaggctatg aatgctatgg caagaagaag ggataatacg tgcgcgtgcc 120
 acatgggtgt taggggtaga agataaccgt gagcagaact gtatggtata gttgggtccat 180
 agtctgctta ttag 194

<210> 8715
 <211> 514
 <212> DNA
 <213> Homo sapiens

<400> 8715
 caagcccccg ccgcacccac ctccaccccc ccccaaaagg aaaaacaaca aggaagaacg 60
 taccacggca gggccaccac aaaaggggag catcaaccga gccacgagc gggcaaaggg 120
 aaacgagcgg ggcgggggga gacggacagg gcgccagaca caccaccagc agagcacagc 180
 agacgggccc aagccggggc cggggggccgg cctggacacg cccccgggc gcaggacccc 240
 ccgcccattgc ccccgacccc gcccgccacc caccgcgccg gcggaccagc acagaccccc 300
 aggccacggc ggggaacaaa accagcaca ccccgagga ggcagaccca caccaccgcc 360
 cccaaggagc cccccggca ggcgcccggc ccgaccccg ccaaccggcag cccgcccga 420
 gcgaggctcc aacaggcccc ccacgcgac accaccccc tacaccccc accaagcacg 480
 cagcgaaaaa acacacgcca agggagggca agcc 514

<210> 8716
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 8716
 ccctttcttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 ttaaaataaa attaaaaacc aatgaaattt attgggttac aggaataac cgggcacaaa 120

atggttgaaa aaggggttaa aacaagttta cattaaaaat acaaacaact acgggggggtg 180
 acaaatttgg aagcgggggg tacttaaaaa aacggcatcg aaaaacaaac cactaaaaat 240
 tcgcgaaatc aaaaaaataa cttctttctt ctttaaaaaa ggagggggaa gaagtcgttg 300
 gggttat 306

<210> 8717
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8717
 aggtaacaag gctctttttt tttctttttt tttttttttt tttttaccg tttaaaaata 60
 acatttttta ttatttcccc aggcccgatc cacagccctg aaacaaaagc attctgatac 120
 acatttgtca gtgctggggg gtttggttgc catgactgcc tacacaggcg cgatgaacag 180
 ccaccccggtg ttgg 194

<210> 8718
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 8718
 tgggcaaact gactggtgat ggcaagagtg gtgtctatga agacggacta cacagcatgg 60
 cacatacaat aaacactgcg agactctatg cgattacctg gctactacac acatttatac 120
 ccaacataac ttcatgaatt gatgccacca tgtgcaataa actgcgccgt ctggtgctca 180
 gaggaacacc aggcgctgca acctgcagct ctatcaggac gccagactc cgccattagg 240
 gg 242

<210> 8719
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 8719
 tgctatcaca aatattctac ttgtaactat tcaactgcat cgctgacata acatgggttg 60
 acgattggga taatggcact aagcactagg tgtagatatg attatgacta taatacatgg 120
 gtaaagggtgc tgataataaa acaaactcta ccatactaga tacactgagt caatgtatat 180
 ataatgtggg atacgataat gaactcacia ctaatatggc agggacacat atatgaaaca 240
 caatatatcc tgtatttgcg atataagcat cattataaga tcataagtag attgtgcgaa 300
 gaatcctatg tatgccggac tgttttatcc tgaccaacc catatgactt gtcccagtgg 360
 atccgggaga agagatatga atgacatgta gccggactga gcctacacag ttacaccccc 420

gatatgaagg gaacgaaaat acatcttatt gcataagctc cagcag 466

<210> 8720

<211> 450

<212> DNA

<213> Homo sapiens

<400> 8720

tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60

tttttttttt tttttattta aaagttttat tataaaaaca cagggaataa aggggggaat 120

ccaggttttg ggaacagaaa aaaaaaaggg aaaggggacc ctcccatag gggacactta 180

tccttggggt aaactaaaaa aaaaaaggga aaaaacacca aaaacaaaaa aaaagaccaa 240

aaaaaaaata aatttaaaaa aaaaaacagg aacgggggga gggagaccgg ggtagggggg 300

aaaagggggc aagggaaaaa catcaaggct aggggggcct cccctgaaaa attgcgggct 360

tggggaagtc aaggtcgggt gcagggacaa acccgtgccc ggcccgcggg ggggagggga 420

ggggaagggg gggggggggc ggggtgaggg 450

<210> 8721

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8721

tgcaaatgaa tgaaaatggt ttaaaataga cacaagacat gggccaacat acgttctact 60

gacgatgcag aggaactggg accctaccca gctggactgg gaatgggagg ggtgccgcca 120

tgctggaaag tggcgcggga gtggcttagg atgccaagta catccttacc atgacataca 180

ccaacgccac tgatgagatg tgcacgaagg 210

<210> 8722

<211> 354

<212> DNA

<213> Homo sapiens

<400> 8722

acaagctttt tttttttttt tttttttttt tttgctcaca tttaattttt attttgattt 60

tttttaatgg tgcacaacac aatattttatt tcatttggtt cttttatttc attttatttg 120

tttggtgctg gtggttttatt tttttttact gaaagtgaga gggaactttt gggggctttt 180

ttcctttttc tgtaggcggg cttaagcttt cttaaatttg aacatctaag caagctgaag 240

gggaaagggg ggttcgcaaa aacactcggg ggaagggaaa gggggctttg ttaatcatgc 300

cctatggggg gtgagtaact ggttggggcc tgccgggggg gcgggggggg gcgg 354

<210> 8723

<211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8723
 gttggcccg taggttacta gtctagtgtc ttcagtatgt aactactgtg acctcatgct 60
 ggtcaagggc ctaagtttaa ctagcaacta tgtattccag taaaatcaga tgtaaagtat 120
 actacttttg tactaggtac ctaagtaggt cactttcact tg 162

<210> 8724
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8724
 gctgcagtga catgagacag aacagcgcgg agggcgccac aaaagcagcg gacaagaaag 60
 ccgcaggagc aggcaaggcc accaagccag cccagaaagc ccagaaggcc aaacgaacac 120
 caccctaaac accagccacc ccacacacaa acagcggagg aagaacggtc tcagaaccgc 180
 aagcatcaac cggccataca agaagagcag caaaagacag gacaacgaca acaacgcac 240
 gcaaaacccc cagaaggaaa ggagaacgcc gcgaggacca ccccggaac cccactcgcg 300
 tgcggcagca taaagccaca agtaaccaa accagtacgc tgccgggact gcaa 354

<210> 8725
 <211> 578
 <212> DNA
 <213> Homo sapiens

<400> 8725
 ctggtctttg tgtatgggtt tgtgatgtaa cgatctttgc tgggggtttt tgctttggtg 60
 tgaggggaaat gtcttggagt aaatgttaag ttcctggagt taatgtgttt tacaggaatt 120
 ttgtttttta aaaaaatagg atcattctga actttggaat gacccctta tatatgatct 180
 gaaaatgaaa acagttacat gaaaaaata tccaatgaag atgtcagcat tttatgaaaa 240
 accaaaagtt attagatgaa agcagcgagt gaatctttaa aacagacttg atcacgcaca 300
 cacaataagt ctttctctcc gaaaccggaa gtgaatctat atctggtaga aataatgtag 360
 ccaaaagaat gtataattga ggattttttt gccaatagtt tatagaaaat atatgaacca 420
 aagtgatatg agtttgtaaa aatgtaaaat agtatgaaca aaatttgac tctaccacat 480
 ttgaacatct agtgaggggc acattcatatc taagggtgtga acaatgtgtg tctttttgca 540
 ctcatTTTTT acgttttatt aaaagagcaa aaaacaaa 578

<210> 8726
 <211> 498
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(498)

<223> n = A, C, T or G

<400> 8726

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ctgatattgt gtagacgaaa agatgatctg caagatgata aagatctgga atatggccat      60
aaactgtaga anggtggtga agctgtcatt gctgatgatg ctgccgtcga gcacatgggt      120
gctgacgagc ccatatacta tgcaaccttg tgacactatg cagcttcgga tatgatacat      180
acacgtgatg tgagagacac aaaagcagtg gacgagatag cagcagggag acggcaaggc      240
tgccggatct ggccaggaca ccaagaatgc tcaaagaaca ttatacgcta tacgaatcac      300
atcactaata accaccggcg gaataacagt cacaggagtg agaactgcaa tagaacagtt      360
aggttcaata ggccaataca ggttaatgat aacaaagcgt cgtatgacca caatacagaa      420
aagaaaatgc ataatgaaac gataatgttt tgtggaccac gtgtggtagc tttaatgcat      480
gaggcagtaa tatcagat                                     498

```

<210> 8727

<211> 162

<212> DNA

<213> Homo sapiens

<400> 8727

```

aatgctcaac gcattacatt acatgaactc acccatgtga tggtagtaac tgttcttcat      60
cactaaaaca tggaagcgaa aaatgagtcg gatgctgttt cgaggctcga acaccatccc      120
agcaatggta gccctgcctg caatcttcga ctttaatacc ca                               162

```

<210> 8728

<211> 258

<212> DNA

<213> Homo sapiens

<400> 8728

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gtagagtagg acagagacaa gaaaaatata atgcacacac acattggatg gttgtacttg      60
caaactagct aataacacta gggaagaaca aaggatccaa aagcaggtgg agagcataaa      120
agaacacatg aatgggaagt cctgcaagag ctacatgaat atacgagatg actctataaa      180
agctgactaa tcattatgta tatgactgga atgatcaaca cacagaacta catgaaactc      240
atccattgta ggctgatc                                     258

```

<210> 8729

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8729

```

atggatgtta attgaataat gatggtaaaa gggtagatta ttggttgtat tttgattgat      60
gttataatga ggaggtttgt ggataggagt gaataaagtg attggatgag tgggcgaaat      120
attatgagtt gatgatggga tatatggagg atggggataa gtggagagga gaagatggga      180
aagtggaggg aaaa                                          194

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<210> 8730

<211> 402

<212> DNA

<213> Homo sapiens

<400> 8730

```

gtgcaccgag acgcgcggag gcagaggctc ggggtcgtgc aagacacaac tacaccggtg      60
gcaccaccga catgagccga agaaggcatc gtgactggac gtgtaaggga ggtaaact      120
gcgtccacaa gaggatgtga aaactgcact aaaacacaga tggcacgacc acgtgaaata      180
agatatgatg acggacactt atacaagcga caatggcaac tccgtgtact agcatcgaag      240
tgaggaagag acgtatgtat gaacaagaca gtgctggtag gacggactga gactgaacag      300
acactatcat actatctcca agggcgatga cgacaagaaa cagggagaat gagatatgac      360
ttagttaact ggacagaagg gggaaaacaa gtatatggtc gg                          402

```

<210> 8731

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(498)

<223> n = A, C, G or T

<400> 8731

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tacactaaat acaaagtgac aagggtgtct gtgtgctatg ctactacaa caaacccctc      60
acctaataaa caaatggaag aaaaagagaa acagctgcaa atagttaaaa gcactatagt      120
aacacataac aaaatgtgag agatgagaga atagaaagag tagaaaatat aactacttgc      180
tgtgaaccta tggtagttac gctctgtcag tctgtagcat acataccata ccatataaac      240
acagcacaag agtaagacaa caacacatgg tgaagctaga ctatgtgcag gatacatgat      300
gcgtgataac atctgcaaca tgagacaaac gtagaagaga actgaggcaa taaataaaaag      360
tgatacctat agacggatac agtgatataa cgttgggaca ctgggtggaa gcgcgggata      420
ggagcggtat gtgcatcact gctgagcaca ctaatatgaa tgtagtaaat ggaccacgtc      480

```

cagggtagat gactgnag

498

<210> 8732

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8732

ctgtagttta agatgttaga caccagactc tcacgcttga tccaaacatc tttactcaac 60

cacacaacaa atgaggtaat atctgtgtgt aagtttcacc ttttgtcatt taccttctcc 120

tctcggtaaa aatgtaaaga aaaaagtgtg tatgcttctc cttgctccac tgtaaata 178

<210> 8733

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8733

tgttatatta gtgatagata tctattatag attgtgaatc aaaattatga atcttcagat 60

tgatgtgggt gtcgtgaata tggttcagaa gatgtcgata agtagtagga ctgcaagttt 120

aggttactta tgctaggact gatgtttgtt tgaatatttg taagtgcttg gttattgaaa 180

gtgattgcct ttaatccaag acttatagt 210

<210> 8734

<211> 338

<212> DNA

<213> Homo sapiens

<400> 8734

agg tacttta tgaatatgcc agaaatatgt tacataagca attataagac gtgcaagtat 60

ggaatggatt acctcgtctc cgctcaaaaa cactgatctc tgaaggaaga tggatttata 120

tgtggatatg caagtctgat cataaggttc attgtgagat gatggggaac atgtaactta 180

gttatagagc taagaggagt tattgtgcag tgtggagtac tcaagctttc ttatctagat 240

gtactcagtc atctggctac ctcggtgcgt gaaccaatct aattattaat ggattagcgg 300

ccgtctggag gtcgatcata taggagaagt ccgtgcgc 338

<210> 8735

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8735

ggcccgggg caaggtacct aattttggct ttcattggatt tacatttttt taagggggcg 60

tttaaggtga atttattgtt atttaataat gtcctggaga taactttggg gtataagatt 120

ccaattttta tgtaattacc tactattatt tttgtgttgt cgttttgcaa agaaagataa 180

tgattcctgg gggcttgggg aaatattaat 210

<210> 8736
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8736
 tacagctttt tttttttttt tttttttttt tggttttaag ttttattatt gaaaaaacia 60
 aaattcaatg gtttattcat gtttttggca aaagaaaaaa acaggggacg ggggaccttc 120
 ccctaaggga aaattattct ttgggttaaa ttatattaat tatgggaatt gaaacttatt 180
 aaattaaccg ggaaattaaa aagaattaat taagaaaaag ggaaaggaac gggggggaag 240
 gggctttgat ttgtggga 258

<210> 8737
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 8737
 gtatacgtgt attatttgtt ttgttttgt tctgtgggaa tgaagaaata ttttagtaaa 60
 gtgtggggag cgggatgatg ttcaatctca caacttttgg aaatgcttct tgggtgctgtc 120
 agccgttggg gatctttatc ttattttaa gcaactgtatt gtgcagaggt ctgggtctcgc 180
 gtgttgtgac cattatttat atctggatat ccctaagata ggtggacagg tgtgctgtgtg 240
 gtggcgggtc ctctatctct gttgtggatt atacgtcgga tgcagatgag atatatgggt 300
 gtgctcataa tgogttggat gcataacatg agtattatat aatgtaaaca aaatagcttg 360
 gggtcggtat 370

<210> 8738
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 8738
 actgcacact gatctgtaac tcatcgcatg ttgttatttt gttttatctt cataccaggt 60
 catattatct ttatgaacag actggtgtat ctactaaaaa atatatttat ttctgagagc 120
 tatgtttttg gctgggagga gtgatatctc ttcatactta aatgttttat tatatgttta 180
 attattgtat tctgggtgtt tgggtgtatg tacttgctgc gaggtgggtgc tgagatgtca 240
 ctactgggtg cgccgctgca tgtcagtcga acatatggga gagcttgcaa gtcgtcgggt 300
 ggatagctct actattctat agtgtgaata taatagctgt ctataatcgt ggtcttaatt 360
 gtttgctgtt gtgatattgt tttcct 386

<210> 8739
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 8739
 tggcgcctcg ggtagtgatc catgagaaag ccatgtcagt tcgaacgata gatcgttaag 60
 actcatgaga gaaactgacg agtttaaatct gaatctccta gttctttgga gatggagatg 120
 aatcgtgaat acagctgaga tctagtagat attattaggt agcaaatagaa attgtagttg 180
 gtgggtggtg gaatgctata ataatctttg ttctccgtgt ctcagttgaa atctttacac 240
 aaattataag gctgggtg 258

<210> 8740
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 8740
 aggtaggagc attgtgccca ttatttctta tggtcgatag agggttcagg ggggtgctaata 60
 acggtatata ccggccgtat cttcatgatg gctaaggaaa gttatttgag gaatatcgag 120
 catgaacgtg tgttttgttg gggagatact gtaccattga gtgtatttta ctgacgcggc 180
 tgtgttctga tgaaagtggg tgggtattta cgtcttgga aagtgtttgt ctttcaatct 240
 gatgtgttgc cagctcatat gtgcgagggtg ttgtgctatg gtgtcattat cagaatgggg 300
 gtttccatat gccatatctg acgtgggtggc ctgtctatat caatgaatgt gtcgcagctg 360
 aatgacacgt tgaaaatatt ggagag 386

<210> 8741
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 8741
 aaatgtttga tctgttattg aattgatctg tacagagtca tgatattttt ttggatatgta 60
 tgagtaacat gaatgcttct gtatgaaaca gttgttatat atactctaga tttatatact 120
 aacattctgg tttggctatt tatgtgatat tgatgggtgtt atatattata gtattatgtg 180
 ttcatccat aaattttatg aatataaatt cattgatttc tgtcttctat ggtgatgggtg 240
 ggtgactagt gtttggtatg agtctaatat taaatgattg tagcgattga ttatgtatgg 300
 aattaatatc tatctcatat aagacgcaaa aaaaacaagg aaagaataat accaaatgta 360
 gtggaggaag agggagggaa cgaaag 386

<210> 8742
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 8742
 gtacaagctt tttttttttt tttttttttt ttgggtttaaa attttttttat taaaaaaaaa 60
 aaaattcaat ttttttatca atttttttgc aacatataaa aatcatggac gttgaaccat 120
 cccaataggg aaatcttttc tttgggttaa attatttttaa ttatgggaaa tgatatttat 180
 tacaataaca aggaatttaa aaaaatataa ttaaaaaaaaaa gggataggaa ttggggaaag 240
 gattctttat tttggaggaa ttgtgtctct tgtaaaagca tccgggttca ggcaaccttc 300
 cttgaaaatt tcttgtttct aa 322

<210> 8743
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 8743
 taggtatcgt gtgtggcgct gacgtcctcc tctgaagcat gggatctctg atttgctagg 60
 tcctggttgc ttcagttgcc tgattagtct ccgaggccgt gttagcagtc agtagatgtc 120
 cgtactagat cctgtgaggt aggggtggtgg gtactgggag atgagtagat agagatgccca 180
 gtaacatgtt gtcttcctaa acaagagagg tcgggaggta tgtgtgtggg ggaagtgagg 240
 agtgggtcca gaaatatgtc agagagctgg tgttgagtga ctgatgggta taaagatgta 300
 ggtgtaagac tcagggtgtc agtggggagg agcacgagcc tgagctcgtg gggagcatga 360
 cgtgatgatc gtcgtaggag acgtta 386

<210> 8744
 <211> 594
 <212> DNA
 <213> Homo sapiens

<400> 8744
 ggtactgatt ttggattttt gatttttttt ttgggtgtga acttatactt gattgatata 60
 tatcatatat agataatttg aacatatgat ttactatcca ttgtgggttg atgtatagat 120
 tgtcaactta tatttggaat gtaataagta tgtattcttc tgtaaatgct atgttctcct 180
 ggtgttcac tcacacatgg aatttgtgtc tgatgtgccca ttagagcggg gtctcatatt 240
 gtccgcatat cttgatcgag gtagtgaatt ggatcgatc ttttgattta taagtgttca 300
 ttgtatgatt ctgtgagtta tacataccac ggatgggatg ttgcttatgt tggctgccta 360
 tttggtctgt gagattgagc gtttttatca catacatttg cctaatttgt cataatacaa 420
 tggattagat gacacctctg tcgcgaacat tcttatctgt attgtattcg tgggtggactt 480

cacgtcgaat atgtgggaga tctcctatcg cgatgagatg tgtagcttga tgttgctata 540
gcggtcctta aatggctcga cgtcatcatt atcatgggtg tttccagggt gtag 594

<210> 8745
<211> 514
<212> DNA
<213> Homo sapiens

<400> 8745
gcaggtagctg attatggagt caatgaatat atggaagggt cattcatgat atatgatgta 60
ggatggtagt ttttcatatg gatcaacgta gaatcattca agttatgtat ggtatgctgt 120
gtatacaatg gctcatatag tgagatgata tctataaatg tatatgctga ataattattac 180
tttatgtttt tatgtacatt gtttgattag gtgaaataag tacataacgc atgggatctt 240
gcgtaggtcg gctgtctaga tggactctga cataaagtct tgttttcgga tagcatagat 300
tgattagtgg catctaatag gattatctga gacagtcagg ggatatagga ttcataaatc 360
atacttgtag ctagtcatat gcatgcttat ctacacaaaa gtagatatta tatatactta 420
tctgattgat gagatctctc atatctctcc catatttatt atgttgtaga tcaatttatg 480
gatttttatc tggaatttga agatagcacg ttcg 514

<210> 8746
<211> 306
<212> DNA
<213> Homo sapiens

<400> 8746
agtgattatg gaaacatgaa gctattttaag ggtttattac ccctaaagga atggaaagta 60
atctataata tggataaaaag acatttatta aaaaaataa ttgttgctctg tgtatagaaa 120
agcagcttac aatgaatatg ttatcaataa atatctatgc ttagaaagtg caaccttctt 180
ggtcttataa acaaaaagtg ggcattgggt atcctttgat aacttacggc caggggggtc 240
attaggaaat ccaccccatc atgatggaag tttggcggcc ccattctccg ttatgggtaa 300
aaaaaa 306

<210> 8747
<211> 430
<212> DNA
<213> Homo sapiens

<400> 8747
aggagttcat cagcggtcag tctgtgggtg ttgtggccat tgccttcac accatgatga 60
ttatctcggt agcctggcta atattttact atatacagcg tttcctatat actggctctc 120
agattggaag tcagagccat agaaaagaaa ctaagaaagt tattggccag cttctacttc 180

atactgtaaa gcatggagaa aagggaattg atgttgatgc tgaaaaattgt gcagtgtgta 240
 ttgaaaattt caaagtaaag gatattatta gaattctgcc aatgcagcat atttttcata 300
 gaatatgcat tgacccatgg cttgtggatc accgaacatg tccaatgtgt aaacttgatg 360
 tcatcaaagc cctaggatat gggggagagc ctgggggatgt acctcggccg gcgacacgct 420
 aatgactagt 430

<210> 8748
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 8748
 cagtcagttt acgagtgttt ctagattagg ttgtataatt tatgatggat tggcagaggt 60
 gcatacatta aatgtaactt gttttttgtc ctctcccatt atacataatg gagtgatgat 120
 atactgaatg tgtgggaaga ataatgaaag agattgaatt tctacatcta gtgcatca 178

<210> 8749
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8749
 tactaataat ggtgttggct tagctatgat ggattcaaca tgaaaaatgt gaagctgtga 60
 taggtcattg taatgtaaaa tttgttaaga caacaacatc agtttttggg cggatatgat 120
 atttattgtg taaatttgct gatggaggac aggaccagag acagaatcag caatatacat 180
 gctataggga agga 194

<210> 8750
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 8750
 aggtgcatgc tggatgatag gatgaatttg aatgaatggc atctcctgag aatgggcaga 60
 cactagaaca tgaccttctg gacttacaga ctggcgatgt gaatacaaaa taatgtgtcg 120
 agatgtgatc gacaatggta ttccactgag gggactaca gtcagacaag atatgacgaa 180
 gatgtgtgag ggagtgggga ggaagatgag aaagtagtgg tattatccga acacagtaga 240
 attgggtgcaa tttgtgata tgaaatgggt gatacatgct agattcaagt gtgatgagaa 300
 ttggtactag ggatggaaaag tctactgctaa gattgcaagt gagtgagagt ggtgagccag 360
 atgctctgga ctgcgtcata acatggactt gtgcaaatga ta 402

<210> 8751
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8751
 cagaattata taataactaat gcgtatgtga tgtgagacgg tagctgctgt cagacggcat 60
 cactgtgaat tcagatgcaa agaggaactg ttgatcttga tgcccataacc tctgatcaga 120
 atcttgacat actgtcatga gacactatag ggtacgttat ca 162

<210> 8752
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8752
 agataactat ggggttaaaag agagagtgga ttttttatac atgattggat acagtgggat 60
 tgaccatcag ctgactagga gataatataa caggctgttg aaagtgattg ttttttgaag 120
 atagaggata tgagatcttc tgctgatctt ataatggtgt gatgtctgat atcttgtggt 180
 cgctgttatt gtta 194

<210> 8753
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8753
 acacactgcc actggctttt gctgtccacg gccatgacag accgacgcag cgagctttct 60
 ctcaaaagca atgcttaaataa tttattcata atatactgac tgcaacaaca tcatgaaaat 120
 acaaaaaaaaaa aaaaaaaaaa gacttgtaca tgaacagagg cg 162

<210> 8754
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 8754
 ggtcatacaa agagggcact acaccagctt cttggcctca aagaagctct tgaggtgacg 60
 catctgccag atgccagtga ggatgaggat gacagtctga gcaatggacc accataggta 120
 cctctgggttg gtgctctcgc tcgtcagtcg gaagcgtctt tcacgataacc tttggtaatc 180
 ctgctccttc tgaatctggt ccacctgac aagcaactgg cgggagcgga gctgtagctc 240
 cgacagatta tcttttgaag aaatctcagg gtagtagtag gaatgctccc caaactggat 300
 gtagagatga caccgaagtt tgacaacaga gaagagagcc atcctgatag aataggagtg 360
 aagacagata tgatggtcac cgggagtgtg ggaggtgaaa gtgaagagga actcagagca 420

gataatgacc gggaggaaga acgaaataaa tagagaataa gaagac

466

<210> 8755

<211> 496

<212> DNA

<213> Homo sapiens

<400> 8755

gagtgagcct cctcaccctt ctctgctctg ctgatggggg cttttggaca gcaaggcata 60

gagcagaaaa cgtgaacact gctacccttg gtgaaaaact gtgtgacctt gagcaagtcg 120

gtctcgctca gtctctttcc tcagctgggg ataaaattcc tacttcacag gactgtaaag 180

attaagcaag gcaagggata tgaaagtgtg tagcacataa taggggaaca atatatcctg 240

tatctgagta tggataggag tgtggagatc atccaggttg agaggagaaa gactggatta 300

aagacagtca gtgggattaa gtgtctaccc tgacctgtg tctctacatt tccttttcat 360

cttgaaagaa gttggaggtg gcaaaaatat taagaagggtg gatcagaatg acttggggac 420

tgaaatttgt gagggagag acaggctgtg caccttctag aatggattta tctcttttat 480

gactaccaag aaggga 496

<210> 8756

<211> 258

<212> DNA

<213> Homo sapiens

<400> 8756

cataggtgct tactatactg ttttgtttct gaatttggaa tttctcaaaa ttaaaaaaat 60

atctactgag gagcttttctg ttttaactgg tggggaatgg gttctgggtg gttttgcccc 120

ttgttttttt agattcaaga aatccatggt gaaaggtttg gtattctatg aagaatagga 180

ggataaagtg atcaaggaga tggcagctca gatgcgcgag gtggagcaga gccgacagga 240

agtgggcgtg tccgctct 258

<210> 8757

<211> 551

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(551)

<223> n = A, C, T or G

<400> 8757

aggtacacat tgccatgaga tggcactttc tgaggatact cactaaaact gagtttcttc 60

attagaaaaa tctcactttt tatcatcatc tcagtgcctg gtattgggtc ccttangtct 120

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gtgaacagca ttgcgttatg ccagtaaattg aataacttaaa tcaataattg cattctcagc 180
agtoctctta gtctttgttt gtttgtttgt ttttcacagt tgaattgcaa tgtagctgtt 240
tggcagagggc attaacattt ttgccctaac cctggcctgg tgcctangct caggggagta 300
aaattagagc caggagccag ngagctgagg agaccactta aaaggcatgc tagcatttga 360
taagtaaggg gttactttgt gaggaaaaga aactttatat gctttaagca agcctcttta 420
tgaggaagaa aaggtcagct actgaagcgg ggtcccaact actgctgggt ctgtagagga 480
gagagacacc cccaaaatcc agatgtttta gttaacaatc agacacagac ttgtctctgg 540
tttcttacag g 551

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<210> 8758
<211> 466
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)..(466)
<223> n = A, C, T or G

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<400> 8758
cgggncagnn tacatggntg nantggagnc ctncctcca cccctctctg gctctgntg 60
nnatgggggn cttttggnac agccaaggnc ataggancag gaaaacgtga aactgctac 120
ccctggtgaa aaactgtgtg accttgagca agtcggtctc gctcagtctc tttcctcagc 180
tggggataaa attcctactt cacaggactg taaagattaa gcaaggcaag ggatatgaaa 240
gtgcttagca cataataggg gaacaatata tcctgtatct gagtatggat aggagtgggg 300
agaatatcca gggtgagagg gagaaaaatg gattaaagga caagcagggg gattaaatgt 360
ttaacctgac cttggttgtg tatattttgt tttgaattag aaagaaattg gtggtgggaa 420
aaatattagg aagggtgaac agaaagacat gggggcagggc atatgt 466

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<210> 8759
<211> 450
<212> DNA
<213> Homo sapiens

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<400> 8759
tgattttctaa agtaagcctc agaattttcca aaccaattca tccacagctg tttctgggct 60
ggtttttaaag tagctgctac agaatcatga ggctttccct ttttatcaaa tacgaaaaac 120
atttttaaaa ttctgcacac ccagtgatca tcttttgtgc gggaaagcaa gatgatgatg 180
gatgatttta ttcattcctt tagtaaagac acaaaacatt tttctcaaca tttgtacagt 240
tctgaaaaaa acctggtcac caaaaatatt ttctctgcta attcagcaat tcttgggctc 300

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cagttagggg agctgggggc tcactttctc ccaggattgt gggcttctct ggaagtgaag 360
 ggtgaggaat gagtgggggtg tcgagcccag ccctggctgc ctgtgggttt gggggagggga 420
 gcgaggggatg aggtgccttg gcagatggca 450

<210> 8760
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 8760
 gcagcttccc cgagctgatg ccattcgttc acgtctcatc gatactttct ctctcatcga 60
 gcatttgcaa ggcttgagcc aagctgtgct ggcacacact atcaggagtt acttgatcct 120
 tcccgccaga agaaacttat gttgggagat caacaccagc tagtgggcgt ctctataaag 180
 cctcaacgta tagaacagat ttcacatgcc cagaggctgt tgagcaggct tcatgtgcgc 240
 tgcagtcaga ggccacctct ttctttgtgg gccggatggg tccttgagtg tatectttca 300
 tgtcactcat ttttatcctg gctgttgatc atctgcctaa tgaattatct tttgcttccc 360
 aaactccatt gtctcattct caatgcttat gttattgctc ttattatttc cgtgcataa 420
 atcagaaaga actcaaaaaa aaaaaaaaaa aaaaaattgg ggggcggaag cttattccct 480
 ttagtgaagg ttaattaaag cttgggactg gccggagggtg tacaaagtgc 530

<210> 8761
 <211> 690
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(690)
 <223> n = A, C, T or G

<400> 8761
 taagcgtgtc cagaattggt gggctctact gacttcaaga atgaagccgc ggaccctcct 60
 ggcggaattc tccacgagtt ttgagcagcc tcggttttcc caccacctcc aaatcatgca 120
 agacacaggg taagagcaaa gacaatgtgg ctgtggccga tgteccacct ctcggggcgt 180
 cccttctctt ctctcctcct tgagcagggg gaccatcggg gtgcaacctg gttggggcgg 240
 ggaggaggtg cagggccttg ccagagcggg cctggccacg ggcaagggac agcgaccccc 300
 gggccaggac aggtgagagc ggcgcaggcc cgggcccggc gtggcggagg tgcgcgtgag 360
 cggnacagcag agggcgccag agagccagga gcggcccgcg gaggagcccc cgccggcccc 420
 ggtgccccacc tccgcgccgc gcggacctc cgagcccgcg ctgagacgcc ccagctccgc 480

cgagagggcg cttgcgccgg gtccttctcc cccaaatgca ggcagagccc cgggagccat 540
 gggcaggcct tccggcagct ccaaagccac tggcaagccc cgaaggcagg atggccggcc 600
 caggagggag gaggacgacg tcccctcccg aagagaagaa gctgcggtc ttgctggtag 660
 gggggaagcg cacagcccca ggaactggaa 690

<210> 8762
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 8762
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 ctttattcag atgtgtttgt gttgacggac taacagtgcc ttctggatct gtgcaaataa 120
 tggtagccct ccttgcaaag aaaaaagag tcattaaagc actacaatat tacacataaa 180
 ctgatccatc taggtcagct ttagtcagga cgggagaatc agcaaacata agaaaaacaa 240
 aacctaggaa tacatacaaa agctctcatg gggtgctaga accctcttag actgggtgatg 300
 tatgtggagg gcattaagag ctggaaaggc gtatatgggt aactaccgtt aactatattc 360
 tacagcaagg gctggggggg cagaacaagg tgaagggtggg tggttattag ggttggga 418

<210> 8763
 <211> 632
 <212> DNA
 <213> Homo sapiens

<400> 8763
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 actagagaat atcttggtta gaaggatcat taagctaggt caaggtaaaa aacaggttat 120
 aagacaaatg catatgaaat ctacaactta taaggaaaga aaataccaaa ttagttctat 180
 cagtcctcta aactacagaa gaacattatt ttacctagt gtgcatgtac acacacacac 240
 acacacacac acacaaatat ttaatgcttt taagtacatt tttaaaaaaa atctaaacaa 300
 tactttgact agtcttttcc tcctaataat atatatagac tgaagttttt gaaaataaaa 360
 gtagctgagc caatgaaatg ctttagcatt gtatttttac catcaagcac tgttttagcag 420
 gctgtatttc ccacttttct tcattgatat caggagcaag cactagaaat atagaaaata 480
 aatataaaat aatcacaagt tcttaacctt atttttttca gtctttatca gcttcacgta 540
 gagagctgct cactgtgtta tagcactttt taagttgcaa agccttgtca tatacattat 600
 aatttgatt cctctaagca agtcaagggg cg 632

<210> 8764
 <211> 450

<212> DNA

<213> Homo sapiens

<400> 8764

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tgcagacctc ggaagggagc ggatagcggc acccgagacc gccgcagag caaagcgcgg      60
ggaaccaagg agacgctcct ggcaactgcag ataacttgtc tgcatttcaa gaacaaacta     120
ccagagacct tacctgttca cttggctctc ccaaccaatg gagatggctc caatggtggc     180
acaaaccagg gaagggaaat ctgaggttta attcctttat gcctcattct ctgagtgtctg     240
aaggcttgct gtaggcctgt atgcctgtta aatgctaaat tgtgataggg gtttttgctt     300
tccaatgaac tcccacatat ttacatttta ccagtgtatg atgcctgtt actagcattg     360
acatgggaac aaaattgtct cgggggggag gatgaacaaa gaaagtcatg aagttacccc     420
ttgtctggga taaaactata gtactttcaa                                     450

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<210> 8765

<211> 562

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(562)

<223> n = A, C, T or G

<400> 8765

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ctgctgactg caggcctctc tgccacctct gcctgccgcg ctactgact gcttcatctg     120
ccagcctcgc atgcacttct gacaacacac ctgtccatca cagacactgc cagctgctct     180
gtgtgtatcc atgtgtgtga gccagtgggt ctggcgggca gcggaacgat cgtccgtgat     240
gctagaccga acatgcacgg gcacgcactc cctggcgtgt gaggggaggc tgtcagaggg     300
gcggaacggga gtgagggcat gtgtctgcat gggactgata gggacagaga aacagtggca     360
gacttgggcg atacatagct caccagacaa acatgcaccg tcagatagat agagggtaga     420
aagatcaggg agaagagaga gccagcaaa catgcacacc angcagtggc gggagaggca     480
cgctcactac ataggaagaa tgaacagacg gcacacgcac gcagggcatg gactgcagca     540
catctaacca accatgccta ga                                             562

```

<210> 8766

<211> 594

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(594)

<223> n = A, C, G or T

<400> 8766

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cattgccatg agatggcact ttctgaggat actcactaaa actgagtttc ttcattagaa      60
aaatctcact ttttatcatc atctcagtgc ctggatttgg tgcccttang tctgtgaaca      120
gcattgcggt atgccagtaa atgaatactt aaatcaataa ttgcattctc agcagtcctc      180
ttagtccttg tttgtttggt tgtttttcac agttgaattg caatgtagct gtttggcaga      240
ggcattaaca tttttgccct aaccctggcc tggcgcctan gctcnaggga gtaaaattag      300
agccaggagc caggangctg aggagaccac ttaaaaggca tgctagcatt tgataagtaa      360
gggggttactt tgtgaggaaa agaaactttt atatgcttta ngcaagcctc tttatganga      420
agaaaaagtc agctactgaa cgggggtccca actactgctg ggtttgtaga ggagagagac      480
acccccataa tccagagggt cagttaacaa tcagacacag acttgtctct ggtttcttac      540
agggtgacag cagtattcgc tattttgaga tcaccgatga aaaccccggc accc          594

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<210> 8767

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(754)

<223> n = A , C, T or G

<400> 8767

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actatattta ggcaccactg ccataaacta ccaaaaaaaaa aatgtaattc ctagaagctg      60
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taggtctctg cactcccaaa agcaaattac attggcttga acttcagtat gcccggttcc      180
accctccaga aacttttgtg ttctttgtat agaatttagg aacttctgag ggccacaaat      240
acacacatta aaaaaggtag aatttttgaa gataagattc ttctaaaaaa gcttcccaat      300
gcttgagtag aaagtatcag tagaggatat aaggaggagg agactagggt accactaaac      360
tccttcagac tcttaaaatt acgattcttt tctcaaaggg gaagaacgtc agtgcagcga      420
tcccttcacc tttagctaaa gaattggact gtgctgctca aaataaagat cagttggagg      480
tangatgtcc aagactgaag gtaaaggact agtgcaaact gaaagtgatg gggaaacaga      540
cctacgtatg gaagccatgt agtggtcttc acaggctgct gttgactgaa attcctatcc      600
tcaaattact ctagactgaa gctgcttccc ttcagtgagc agcctctcct tccaagattc      660
tggaagcac acctgactcc aaacaaagac ttagagccct gtgtcagtgc tgctgctgct      720

```

tttaccagat tctctaacct tccgggtaga agag

754

<210> 8768

<211> 730

<212> PRT

<213> Homo sapiens

<400> 8768

Met Asp Gly Leu Gly Arg Arg Leu Arg Ala Ser Leu Arg Leu Lys Arg
1 5 10 15

Gly His Gly Gly His Trp Arg Leu Asn Glu Met Pro Tyr Met Lys His
20 25 30

Glu Phe Asp Gly Gly Pro Pro Gln Asp Asn Ser Gly Glu Ala Leu Lys
35 40 45

Glu Pro Glu Arg Ala Gln Glu His Ser Leu Pro Asn Phe Ala Gly Gly
50 55 60

Gln His Phe Phe Glu Tyr Leu Leu Val Val Ser Leu Lys Lys Lys Arg
65 70 75 80

Ser Glu Asp Asp Tyr Glu Pro Ile Ile Thr Tyr Gln Phe Pro Lys Arg
85 90 95

Glu Asn Leu Leu Arg Gly Gln Gln Glu Glu Glu Glu Arg Leu Leu Lys
100 105 110

Ala Ile Pro Leu Phe Cys Phe Pro Asp Gly Asn Glu Trp Ala Ser Leu
115 120 125

Thr Glu Tyr Pro Ser Leu Ser Cys Lys Thr Pro Gly Leu Leu Ala Ala
130 135 140

Leu Val Val Glu Lys Ala Gln Pro Arg Thr Cys Cys His Ala Ser Ala
145 150 155 160

Pro Ser Ala Ala Pro Gln Ala Arg Gly Pro Asp Ala Pro Ser Pro Ala
165 170 175

Ala Gly Gln Ala Leu Pro Ala Gly Pro Gly Pro Arg Leu Pro Lys Val
180 185 190

Tyr Cys Ile Ile Ser Cys Ile Gly Cys Phe Gly Leu Phe Ser Lys Ile
195 200 205

Leu Asp Glu Val Glu Lys Arg His Gln Ile Ser Met Ala Val Ile Tyr
 210 215 220

Pro Phe Met Gln Gly Leu Arg Glu Ala Ala Phe Pro Ala Pro Gly Lys
 225 230 235 240

Thr Val Thr Leu Lys Ser Phe Ile Pro Asp Ser Gly Thr Glu Phe Ile
 245 250 255

Ser Leu Thr Arg Pro Leu Asp Ser His Leu Glu His Val Asp Phe Ser
 260 265 270

Ser Leu Leu His Cys Leu Ser Phe Glu Gln Ile Leu Gln Ile Phe Ala
 275 280 285

Ser Ala Val Leu Glu Arg Lys Ile Ile Phe Leu Ala Glu Gly Leu Arg
 290 295 300

Glu Glu Glu Lys Asp Val Arg Asp Ser Thr Glu Val Arg Gly Ala Gly
 305 310 315 320

Glu Cys His Gly Phe Gln Arg Lys Gly Asn Leu Gly Lys Gln Trp Gly
 325 330 335

Leu Cys Val Glu Asp Ser Val Lys Met Gly Asp Asn Gln Arg Gly Thr
 340 345 350

Ser Cys Ser Thr Leu Ser Gln Cys Ile His Ala Ala Ala Ala Leu Leu
 355 360 365

Tyr Pro Phe Ser Trp Ala His Thr Tyr Ile Pro Val Val Pro Glu Ser
 370 375 380

Leu Leu Ala Thr Val Cys Cys Pro Thr Pro Phe Met Val Gly Val Gln
 385 390 395 400

Met Arg Phe Gln Gln Glu Val Met Asp Ser Pro Met Glu Glu Ile Gln
 405 410 415

Pro Gln Ala Glu Ile Lys Thr Val Asn Pro Leu Gly Val Tyr Glu Glu
 420 425 430

Arg Gly Pro Glu Lys Ala Ser Leu Cys Leu Phe Gln Val Leu Leu Val
 435 440 445

Asn Leu Cys Glu Gly Thr Phe Leu Met Ser Val Gly Asp Glu Lys Asp
 450 455 460

Ile Leu Pro Pro Lys Leu Gln Asp Asp Ile Leu Asp Ser Leu Gly Gln
 465 470 475 480

Gly Ile Asn Glu Leu Lys Thr Ala Glu Gln Ile Asn Glu His Val Ser
 485 490 495

Gly Pro Phe Val Gln Phe Phe Val Lys Ile Val Gly His Tyr Ala Ser
 500 505 510

Tyr Ile Lys Arg Glu Ala Asn Gly Gln Gly His Phe Gln Glu Arg Ser
 515 520 525

Phe Cys Lys Ala Leu Thr Ser Lys Thr Asn Arg Arg Phe Val Lys Lys
 530 535 540

Phe Val Lys Thr Gln Leu Phe Ser Leu Phe Ile Gln Glu Ala Glu Lys
 545 550 555 560

Ser Lys Asn Pro Pro Ala Glu Val Thr Gln Val Gly Asn Ser Ser Thr
 565 570 575

Cys Val Val Asp Thr Trp Leu Glu Ala Ala Ala Thr Ala Leu Ser His
 580 585 590

His Tyr Asn Ile Phe Asn Thr Glu His Thr Leu Trp Ser Lys Gly Ser
 595 600 605

Ala Ser Leu His Glu Val Cys Gly His Val Arg Thr Arg Val Lys Arg
 610 615 620

Lys Ile Leu Phe Leu Tyr Val Ser Leu Ala Phe Thr Met Gly Lys Ser
 625 630 635 640

Ile Phe Leu Val Glu Asn Lys Ala Met Asn Met Thr Ile Lys Trp Thr
 645 650 655

Thr Ser Gly Arg Pro Gly His Gly Asp Met Phe Gly Val Ile Glu Ser
 660 665 670

Trp Gly Ala Ala Ala Leu Leu Leu Leu Thr Gly Arg Val Arg Asp Thr
 675 680 685

Gly Lys Ser Ser Ser Ser Thr Gly His Arg Ala Ser Lys Ser Leu Val
 690 695 700

Trp Ser Gln Val Cys Phe Pro Glu Ser Trp Glu Glu Arg Leu Leu Thr
 705 710 715 720

Glu Gly Lys Gln Leu Gln Ser Arg Val Ile
 725 730

<210> 8769
 <211> 674
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (201)..(201)
 <223> n = A, C, G or T

<220>
 <221> misc_feature
 <222> (477)..(538)
 <223> masked repetitive sequence

<400> 8769
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 cattgtgact atcaaattaa accacaggca ggaagttgcc ttgaaaactt tttatagtgt 180
 atattactgt tcacatagat nagcaattaa ctttacatat acccgttttt aaaagatcag 240
 tcctgtgatt aaaagtctgg ctgccctaatt tcacttcgat tatacattag gttaaagcca 300
 tataaaagag gcactacgtc ttcggagaga tgaatggata ttacaagcag taatgttggc 360
 tttggaatat acacataatg tccacttgac ctcactctatt tgacacaaaa tgtaaaactaa 420
 attatgagca tcattagata ctttggcctt ttcaaatacac acagggtcct agatctnnnn 480
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnac 540
 tttgggattc ctatatcttt gtcagctgtc aacttcagtg ttttcagggt aaattctatc 600
 catagtcatc ccaatatacc tgctttagat gatacaacct tcaaaagatc cgctcttcct 660
 cgtaaaaagt ggag 674

<210> 8770
 <211> 1010
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)..(1010)
 <223> n = A, C, T or G

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 ccaatttcct atcattgtga ctatcaaatt aaaccacagg caggaagttg ccttgaaaac 180
 tttttatagt gtatattact gtccacatag atnagcaatt aactttacat ataccggtt 240
 ttaaaagatc agtcctgtga ttaaaagtct ggctgcccta attcacttcg attatacatt 300
 aggttaaagc catataaaaag aggcactacg tcttcggaga gatgaatgga tattacaagc 360
 agtaattttg gctttggaat atacacataa tgtccacttg acctcatcta tttgacacaa 420
 aatgtaaact aaattatgag catcattaga taccttgggc cttttcaaatt cacacagggt 480
 cctagatctg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 540
 nnnnnnnnnn nactttggat tcttatatct ttgtcagctg tcaacttcag tgttttcagg 600
 ntaaatctta tccatagtca tcccaatata cctgctttag atgatacaaa cttcaaaaga 660
 tccggctctc cctcgtaaaa cgtggaggac agacatcaag ggggttttct gagtaaagaa 720
 aggcaaccgc tcggcaaaaa ctcaccctgg cacaacagga ncgaatatat acagacgctg 780
 attgagcggt ttgctccatc ttcacttctg ttaaatagaag acattgatat ctaaaatgct 840
 atgagtctaa ctttgtaaaa ttaaaataga tttgtagtta tttttcaaaa tgaaatcgaa 900
 aagatacaag ttttgaaggc agtctctttt tccaccctgc ccctctagtg tgttttacac 960
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<210> 8771
 <211> 21
 <212> DNA
 <213> Human cytomegalovirus

<400> 8771
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<210> 8772
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 <212> DNA
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<400> 8772
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<210> 8773
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<212> DNA
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<400> 8773
gtacgcgctg ctgggtcatg 20

<210> 8774
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<400> 8774
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<210> 8775
<211> 20
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<213> Human cytomegalovirus

<400> 8775
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<210> 8776
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<400> 8776
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<210> 8777
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<212> DNA
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<400> 8777
caccaaagac acgtcgttac ag 22

<210> 8778
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<212> DNA
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<400> 8778
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<210> 8779
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<400> 8779
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<210> 8780
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<210> 8781
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<210> 8782
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<400> 8782
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<210> 8783
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<210> 8785
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<400> 8785
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<210> 8786
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<400> 8786
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<210> 8787
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<400> 8787
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<210> 8788
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<400> 8788
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<210> 8789
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<400> 8789
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<210> 8790
<211> 27
<212> DNA
<213> Human cytomegalovirus

<400> 8790
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<210> 8791
<211> 21
<212> DNA
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<400> 8791
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<210> 8792
<211> 22
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<210> 8793
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<210> 8796
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<210> 8797
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<400> 8797
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<210> 8798
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<400> 8798
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<210> 8799
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<400> 8799
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<210> 8800
<211> 22
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<213> Human cytomegalovirus

<400> 8800
ttactgggtca gccttgcttc ta 22

<210> 8801
<211> 18
<212> DNA
<213> Human cytomegalovirus

<400> 8801
acgtccctgg tagacggg 18

<210> 8802
<211> 24
<212> DNA
<213> Human cytomegalovirus

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ttataagaaa agaagcacia gctc 24

<210> 8803
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<400> 8803
atgtattgtt ttcttttttt acagaaag 28

<210> 8804
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<400> 8804
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<400> 8805
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<210> 8806
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<210> 8807

<211> 22
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<210> 8808
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<400> 8808
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<210> 8809
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<400> 8809
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<210> 8810
<211> 23
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<400> 8810
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<210> 8811
<211> 21
<212> DNA
<213> Human cytomegalovirus

<400> 8811
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<210> 8812
<211> 22
<212> DNA
<213> Human cytomegalovirus

<400> 8812
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<210> 8813
<211> 23
<212> DNA
<213> Human cytomegalovirus

<400> 8813
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<210> 8814
<211> 22
<212> DNA
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<400> 8814
tcagcacacg aaaaaccgca tc 22

<210> 8815
<211> 21
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<400> 8815
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<210> 8816
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<213> Human cytomegalovirus

<400> 8816
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<210> 8817
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<400> 8817
atggatctct tgattcgtct cg 22

<210> 8818
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<210> 8819
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<210> 8820
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<400> 8820

tcaccactgg tccgaaaaca tc 22

<210> 8821
<211> 20
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<213> Human cytomegalovirus

<400> 8821
tacggctggt ccgtcatcgt 20

<210> 8822
<211> 22
<212> DNA
<213> Human cytomegalovirus

<400> 8822
ttacaacaag ctgaggagac tc 22

<210> 8823
<211> 26
<212> DNA
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<400> 8823
atgaccacct ctacaaataa tcaaac 26

<210> 8824
<211> 22
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<400> 8824
gtagaaacaa gcgttgagtc cc 22

<210> 8825
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<212> DNA
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<400> 8825
cgttgcggtg tctcagtcg 19

<210> 8826
<211> 21
<212> DNA
<213> Human cytomegalovirus

<400> 8826
tcatgctgtg gtaccaggat a 21

<210> 8827
<211> 5252
<212> DNA
<213> Homo sapiens

<400> 8827

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tcatcgccct ccaggactga ctgcattgca cagatgatgg atattttacgt atgtttgaaa      180

cgaccatcct ggatgggtgga caataaaaaga atgaggactg cttcaaattt ccagtggctg      240

ttatcaacat ttattcttct atatctaata aatcaagtaa atagccagaa aaagggggct      300

cctcatgatt tgaagtgtgt aactaacaat ttgcaagtgt ggaactgttc ttggaaagca      360

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<210> 8828

<211> 5252

<212> DNA

<213> Homo sapiens

<220>
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 <222> (3967)..(3988)
 <223> Masked repetitive sequence from Repeat Masker

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 <211> 841
 <212> DNA
 <213> Homo sapiens

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 <213> Homo sapiens

<220>
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 <222> (94)..(121)
 <223> Masked repetitive sequence

<220>
 <221> misc_feature
 <222> (569)..(604)
 <223> Masked repetitive sequence

<400> 8830
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<210> 8831
<211> 63
<212> DNA
<213> Artificial Sequence

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<220>
<223> T7T24 Primer

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<210> 8832
<211> 1010
<212> DNA
<213> Homo sapiens

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<222> (213)..(213)
<223> n = A, C, G or T

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<220>
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<222> (491)..(551)
<223> masked repetitive sequence

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<220>
<221> misc_feature
<222> (601)..(601)

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<223> n = A, C, G or T

<220>

<221> misc_feature

<222> (761)..(761)

<223> n = A, C, G or T

<400> 8832

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